

**EVALUATIVE REPORTS
OF
DEPARTMENTS**

**MAHATMA GANDHI INSTITUTE OF MEDICAL SCIENCES
SEVAGRAM, WARDHA, MAHARASHTRA, INDIA**



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DEPARTMENT OF ANATOMY

1. Name of the Department - Anatomy
2. Year of establishment - 1969
3. Is the Department part of a college/Faculty of the university?- Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram
4. Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) – MBBS, MD, PhD.
5. Interdisciplinary programs and departments involved-
 - Nursing (Basic B.Sc Nursing, M.Sc Nursing)
 - Faculty participates in Bioethics & Communication Skills Workshop for I MBBS students
 - Our postgraduates are posted to Radiology, Pathology, Obstetrics and Gynecology, Forensic Medicine & Toxicology, Medicine, Microbiology, Orthopedics, Surgery).

PGs of Anatomy are posted in affiliated departments as per university guidelines. The current schedule is as follows:

Duration	Department
06/06/2016 to 11/06/2016	Radiology
13/06/2016 to 18/06/2016	Surgery
20/06/2016 to 24/06/2016	Orthopedics
25/06/2016 to 30/06/2016	Medicine
01/07/2016 to 08/07/2016	Obstetrics & Gynecology
09/07/2016 to 16/07/2016	Pathology
18/07/2016 to 22/07/2016	Microbiology
23/07/2016 to 30/07/2016	Forensic Medicine

6. Courses in collaboration with other universities, industries, foreign institutions, etc.- Nil
7. Details of programs discontinued, if any, with reasons - Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System:
 - UG- through MUHS: Annual & Term end (semester I, II; for univ. Internal Assessment}.
 - PG- Departmental Term end exams: yearly; MUHS exam at the end of 3 years.
9. Participation of the department in the courses offered by other departments – Postgraduates posted as per part of university curriculum students from all departments come to our department.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor/Reader	3	3	2
Assistant Professor	4	4	4
Lecturer	-	-	-
Tutor / Clinical Instructor	4	2	2
Senior Resident	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. M. R. Shende	MS Anatomy	Professor & Head	Anatomy	31 years
Dr. A. K. Pal	Ph.D (Cyto- genetics)	Professor	Genetics	23 years
Dr. A. M. Tarnekar	MS Anatomy	Professor	Anatomy	20 years
Dr. J. E. Waghmare	MS Anatomy	Associate Professor	Anatomy	10 years
Dr. V. R. Wankhede	MS Anatomy	Associate Professor	Anatomy	10 years
Mr. P. Bokariya	MSc Med. Anatomy	Assistant Professor	Anatomy	12 Years
Dr. B. R. Sontakke	MS Anatomy	Assistant Professor	Anatomy	6 years
Dr. V. K. Gujar	MS Anatomy	Assistant Professor	Anatomy	03 years
Dr. S. S. Talhar	MS Anatomy	Assistant Professor	Anatomy	3 years
Dr. Mrinmayee Debbarma	MBBS	Tutor	Anatomy	1 year
Dr. Lipika Paul	MBBS	Tutor	Anatomy	1 year

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors – Nil

13. Percentage of classes taken by temporary faculty – program-wise information
No Temporary faculty in Anatomy.

14. Program-wise Student Teacher Ratio –
 UG 10: 1 [for demonstrating histology (2 per week), Demonstration classes in gross anatomy (1-2 per week), osteology (1-2 per week) and dissection (daily).
 PG 1: 5
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual – 1. Support Staff-

	Sanctioned	Filled	Actual (including CAS & MPS)
Technician	2	2	2
Photographer	1	1	1
Artist cum Modeler	1	1	1
Attendant	3	3	3

2. Administrative staff-

	Sanctioned	Filled	Actual (including CAS & MPS)
Clerk	1	1	1

Note: Most of the work has become paperless because of strong HIS. One clerk is shared with Biochemistry.

16. Research thrust areas as recognized by major funding agencies –
 1. Genetics. 2. Histology. 3. Anthropometry. 4. Embryology. 5. Gross Anatomy.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Pal AK

Genetic study in human male infertility related to microdeletions of Y chromosome in idiopathic cases of azoospermia and oligospermia.

Grant: Rs 25 lakhs; Funded by ICMR, 2010.

18. Inter-institutional collaborative projects and associated grants received
 a) National collaboration b) International collaboration

A multicentric collaborative project: Prevalence of Human papilloma virus (HPV) strains in woman with benign, premalignant, malignant cervical lesion & asymptomatics healthy subjects

Institution Name and Investigators:

Delhi Centre:- Dr. B.C. Das FNA (Director)

MGIMS:- Dr. Asoke Pal (Prof. Cytogenetics & Mol. Genetics)

Sevagram Dr. Poonam Varma Shivkumar (Prof. Dept of OBGY)

Dr. V. B. Shivkumar (Prof. Of Pathology)

19. Departmental projects funded by **ICMR**; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sr. No	Principal Investigator	Topic	Funding Agencies Year	Amount	Status
1.	Prof. (Dr.) A. K. Pal	Genetic Study in human male Infertility related to microdeletions of Y chromosome in idiopathic cases of azoospermia and oligozoospermia.	ICMR, New Delhi, 2010-2013	Rs 25.33 lakhs	Completed
2.	Prof. (Dr.) A. K. Pal	Genetic study of deletion and mutation in sperm mitochondrial DNA in idiopathic asthenozoospermia and oligoasthenoteratozoospermia	ICMR, New Delhi, 2014-2016	Rs 16 Lakhs	Ongoing
3	Dr. MVR Reddy Dr MR Shende, Dr AM Tarnekar	Evaluation of immunomodulatory effect and therapeutical potential of filarial proteins in experimental ulcerative colitis – in collaboration with Biochemistry Dept. MGIMS.	DST	Rs 38.78 Lakhs	Ongoing

20. Research facility / centre with

- State recognition (all faculty are Recognised by MUHS, Nashik)
- National recognition – **Cytogenetics (ICMR)**
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies: NA

22. Publications:

- * Number of papers published in peer reviewed journals (national / international) – **Annexure IA**
- * Monographs
- * Chapters in Books
- * Books edited
- * Books with ISBN with details of publishers
Pradeep Bokariya. Histology for Dental Students with Clinical Aspect, Jaypee Publishers.
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Citation Index – range / average
- * SNIP

- * SJR
 - * Impact Factor – range / average
 - * h-index 6
23. Details of patents and income generated - Nil
 24. Areas of consultancy and income generated – The institute policy does not permit any financial incentive for any consultancy.
However Dr AK Pal is Committee member of Pre-Conception Prenatal Diagnosis & Therapy (PCPNDT) for Wardha district to keep surveillance on health care institutes, nursing homes and hospitals to avoid illegal female foeticide.
 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
See Annexure II
 26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other (specify)

Shende MR

Executive member of ASI, 2014-16
Assessor from MCI for Inspection of PG courses at other medical colleges

Pal AK

National Committee: Executive member: All India Congress of Cytology and Genetics (AICCG), Kolkata

Pal AK

Committee member of Pre Conception Prenatal Diagnosis & Therapy (PCPNDT) for Wardha district to keep surveillance on health care institutes, Nursing homes & hospitals to avoid illegal female foeticide.

Shende MR

Editorial Board, *Journal of MGIMS*

Bokariya P

Executive member of ASI.
Editorial Board, *Indian J Anatomy*
Advisory Board, *World Res J Anatomy*
Editorial Board, *Ind J Forensic Med Toxicol*

27. Faculty recharging strategies (Refresher / orientation programs, workshops,

training programs and similar programs). –

See Annexure IV

- a) Conferences (Annexure IVA)
- b) Courses (Annexure IV B)
- c) Workshops (Annexure IV C)
- d) Teachers training Programmes:
 - 1. MEU WORKSHOPS attended (Annexure IV D)
 - 2. Research Methodology workshops (Annexure IV E)

28. Student projects

- Percentage of students who have taken up in-house projects including inter-departmental projects – All PG students have conducted research projects during their MD tenure. Annexure VIII
- Percentage of students doing projects in collaboration with other universities / industry / institute - Nil

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students : Students took participation in Vidarbha level Quiz Anatomy

See Annexure V

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

See Annexure VI

31. Code of ethics for research followed by the departments –All projects are approved by Institutional Ethics Committee and Animal Ethics Committee.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage
		Male	Female	
UNDERGRADUATES (I MBBS) 2015	12871	100%	97.22%	95.45%
(I MBBS) 2014	15555	90.56%	95.65%	93.94%
(I MBBS) 2013	8119	68.08%	100%	88.00%
(I MBBS) 2012	16003	90.62%	94.11%	92.42%
(I MBBS) 2011	12518	91.43%	100%	95.38%
POSTGRADUATES				
2015	247	0%	100%	100%

2014	265	Nil Admitted	50%
2013	191	Nil Admitted	100%
2012	149	100% 0%	100%
2011	205	0% 100%	100%

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBBS Program	The students are selected from national level entrance examinations			
MD Program	73%	0%	27%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. – Not applicable

35. Student progression

1.MBBS Students - Admission is done through national entrance examination

2. PG Students – Year wise

Student progression	Percentage against enrolled
UG to PG	No department specific data
PG to M.Phil, DM / M Ch / DNB	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	--

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	3 (27.77%)

from other universities within the State	3 (27.77%)
from universities from other States	5 (45.45%)
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period - Nil
38. Present details of departmental infrastructural facilities with regard to
- a) Library – 1. Separate departmental library with 345 books.
2. Total no. of Anatomy books in Central library:1359
 - b) Internet facilities for staff and students – wifi available for staff and students.
 - c) Total number of class rooms: 3 (1 Lecture hall, 2 Demonstration rooms) (All class rooms have wifi and LCD projector).
 - d) Class rooms with ICT facility and ‘smart’ class rooms - 01
 - e) Students’ laboratories - 02
 - f) Research laboratories – 03
39. List of doctoral, post-doctoral students and Research Associates 01
- a) from the host institution/university
 - b) from other institutions/universities
40. Number of post graduate students getting financial assistance from the university.
Financial assistance received from KHS Research Committee:
Dr BR Sontakke and Dr SD Hiware.
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
This exercise was undertaken at the level of MUHS. The staff members who are on Board of Studies represent our feedback to University.
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes. The Curriculum Committee communicates with the Department and provides it details of changes in the curriculum, teaching hours and time table. Any changes required are discussed at the level of the College Council, among meetings of heads of all I MBBS departments, and at level of departmental meetings
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes. Verbal feedback from faculty is obtained at the end of the Unit/system taught by each teacher. The IQAC collects feedback from the students. This feedback is used to improvise and overcome limitations. Regular sessions of fortnightly review of student learning

is also done in Anatomy Department. Feedback is also provided to students while showing answerbooks of internal assessment and during teaching and learning. Feedback is also obtained through regular mentor-mentee meetings.

- c. alumni and employers on the programs offered and how does the department utilize the feedback?

Yes. This is collected at the level of the Institution. Any changes required are made depending on feedback.

43. List the distinguished alumni of the department (maximum 10):
- Dr Archana Kannamwar: Asst Prof at SVNGMC Yavatmal (PG, passed 2010)
 - Dr Anup Shyamal: Asso Prof of Anatomy at NMC Kolkata. (PG, passed 2011)
 - Dr Shabina Anjum: working in Dubai (PG, passed 2011).
 - Dr Vijay Gujar, working at MGIMS as Asst Prof. (PG, passed 2012)
 - Dr Shweta Talhar: Working at MGIMS at Asst Prof (PG, passed 2012)
 - Dr Bhavna Khandve: Asst Prof at CCMC, Durg (PG, passed 2013)
 - Dr Deepali Gudadhe: Asst Prof at PDMC Amravati (PG, passed 2013)
 - Dr Yuganti Vaidya: Asst Prof at Chirayu Med Institute Bhopal (PG, passed 2014)
 - Dr Sneha John: Asst Prof at Med College, Karaikkal (PG, passed 2015)
 - Dr Sanket Hiware: Asst Prof at Medical College in Ethiopia. (PG, passed 2015).
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. –
1. Workshop for Bioethics & Communication for the students.
 2. Body Donation street play guided by faculty.
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Reciprocal peer teaching in dissection hall.
 - Fortnightly review of teaching/exam performance, involving all students/faculty.
 - Facilitated group discussion during self learning.
 - Special records for drawing gross anatomy & embryology.
 - Horizontal & vertical integration for selective topics.
 - Introduction of E-learning Module.
 - Students are encouraged to select topics in seminars for Academy of Basic Medical Sciences which will accomplish horizontal

integration of I MBBS curriculum

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Evaluation of MBBS program is done through results of classroom/ internal assessment in following exams: Part Completion Tests, Terminal Exam, Preliminary Exam and University exams
 - Feedback is collected from the students and faculty
 - Discussions are conducted at Curriculum Committee meetings and College Council to monitor if guidelines from university are followed and objectives are being met
47. Highlight the participation of students and faculty in extension activities.
- Encouragement of body donation
 - Institutional activities: Rajiv Gandhi Jeevandayi Yojana- Dr BR Sontakke is one of the coordinators.
48. Give details of “beyond syllabus scholarly activities” of the department.
- Students are encouraged to participate in seminars in Academy of Basic Medical Sciences
 - Encouraging undergraduate students to take part in co-curricular activities such as Vidarbha level Quiz, short term research, developing working models or presentations for seminars etc.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. – MUHS, MCI
- Date of MBBS recognition by MCI: July 1976, Renewal inspection 5.2.16
 - Date of MD recognition by MCI: 2003.
 - Date of PhD Recognition from MUHS: (Renewal) 16 June 2014.
 - Date of last inspection of
 - a. MCI: 05/02/2016
 - b. MUHS: 02/03/2015
 - c. PhD 12/03/2016
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Involvement of the community in teaching medical students: Promotion of body donation for teaching purposes by felicitation of relatives of the body donors.
 - Readiness for community service: 24x7 provision for embalming of bodies for

- transportation or temporary preservation of body in mortuary chamber.
- Assurance of quality learning of both UGs and PGs as reflected from almost 100% job satisfaction of the post graduates and nearly 92-95% passing percentage of first MBBS exam by UGs.
 - Fair number of publications in renowned international journals and paper presentations in national level conferences indicating good research outcome.
 - Involvement of faculty in confidential and academic work of institute, university and MCI, reflecting good rapport, high level of work experience, qualification and dedication to work.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Full staff available throughout year
- Learning resources are available with sufficient infrastructural support
- Faculty put in dedicated efforts for updating themselves with latest needs/requirements for teaching-learning
- Research environment is conducive and all are actively involved
- Availability of Cytogenetics and Molecular Genetics Lab for UG/PG education, healthcare and research
- Availability of expert modeller cum artist, for developing working models, conceptual diagrams and charts for better understanding of concepts in embryology, gross anatomy, histology and neuro-anatomy.

Weaknesses:

- Limited time in I MBBS: Syllabus is vast and net time available for teaching is curtailed according to University guidelines. This also leaves us with very little time to conduct co-curricular and extra curricular activities for I MBBS students
- Assessment pattern suggested by University encourages rote learning instead of application based learning. Needs revision

Opportunities:

- The Department has opportunities to interact with the general public
 - o to create awareness about body donation for medical education purposes as well as organ donation for needy patients
 - o to educate science students of school and colleges during their visits to the departmental museum
- The Department is trying to resolve the issue of time constraints in I MBBS by

- Introduction of e-learning and blended learning: Faculty training is complete
- Collaboration with other departments for horizontal and vertical integration of learning
- To consolidate basic concepts for future application of knowledge: By promoting concepts of early clinical exposure, integration of knowledge
- To encourage UGs and PGs to undertake research initiatives

Challenges

- Time constraints: One year of I MBBS leaves little time for students to pursue research interests and co-curricular interests
- Teaching students of different educational background simultaneously

52. Future plans of the department.

(A) Short term Plans: (to be implemented in current academic year)

- To enhance e-learning: preparation of Moodle based courses prepared by each faculty on different topics of the subject of Anatomy. All faculty have received training in the institute regarding this. E-learning modules have been created for practice. These are being peer reviewed.
- Focused group discussion with integrated approach: during self learning hours, students would be encouraged to discuss a given topic in small groups. For each group, the activity would be facilitated by a teacher of the same subject. Later, interdisciplinary faculty will be involved for making an integrated approach for selective topics.
- Involvement of junior faculty and PGs in research paper presentation in conferences.

(B) Intermediate plans: (for implementation within a couple of years)

- Model based learning: with the help of modeler in the department, new models will be devised to enhance the process of learning and existing clay or POP models will be redesigned with unbreakable polymer for more durability.
- Upgrading demonstration rooms, histology lab and dissection hall, museum, seminar room (fitted with with 52" plasma TV monitor) and Anatomy lecture hall in the Department to make them more conducive for self learning, interactivity, group discussion and tutorials. Provision of suitable sitting arrangement, cooling and availability of learning resources (such as wifi, educational CDs, flip charts, white boards, microscope and histology slides etc.) will be safeguarded.

- One faculty is being sent to attend workshop on latest trends in museum technology and this will be used to upgrade our museum

(C) Long term Plans (to be implemented within next 5 years):

- To propose additional space for expansion of museum so as to equip it with classified sections of gross anatomy, embryology, radiology, osteology, histology, neuroanatomy and anthropometry. More specimens and models are planned to be included in the museum to further strengthen teaching learning activities.
- To provide scope for use of multimedia in museum and incorporation of adequate virtual learning material (dissection guide, animated embryology, 3-D viewing etc).
- To propose a separate room for interactive model based learning where a didactic tutorial or self directed learning (SDL) session may be conducted utilizing models and wet specimens. The students would get an opportunity to exercise with self made clay models for grasping a concept. Teacher & modeler would be available for guidance wherever needed.
- More faculty members will be trained in genetics so as to explore new avenues in research and health care in genetics

ANNEXURES FOR DEPARTMENT OF ANATOMY

ANNEXURE I A: PUBLICATIONS

Shende MR, John NA.

Neuro-anatomical and physiological correlates of yogic exercises on reaction time task

J Anat Soc India 2011; 60 (2): 227-231.

Sontakke BR, Tarnekar AM, Waghmare JE, Ingole IV.

An unusual case of asymmetrical formation and distribution of median nerve.

Int J Anat Variation 2011; 4: 57-60

Sontakke BR, Wankhede VR, Bokariya P, Waghmare JE, Tarnekar AM, Shende MR.

Supernumerary branches of right renal artery in a male cadaver

J MGIMS Sep 2011; 16 (2): 51-53

Sontakke BR, Waghmare JE, Bokariya P, Ingole IV.

Study of loops and arches (dermatoglyphic finger tip patterns)

in schizophrenics- a case control study
The Indian Practitioner 2011; 64 (4): 236-242.

Bokariya P, Chowdhary DS, Tirpude BH, Kothari R, Waghmare JE.
A review of chronology of epiphysial union in the bones at knee and ankle joint.
J Indian Acad Forensic Med 2011; 33 (3): 258-260.

Bokariya P, Kothari R, Waghmare JE, Tarnekar AM, Pal AK, Ingole IV.
Comparision of dermatoglyphic pattern of population of Western Rajasthan and Garhwal region of Uttarakhand.
Indian J Forensic Med Toxicol 2011; 5(2): 80-83.

Waghmare JE, Deshmukh PR, Waghmare PJ.
Determination of sex from the shaft and tuberosity of radius- a multivariate discriminant function analysis
Biomedical Research 2012; 23 (1): 115- 118.

Ambulkar PS, Waghmare JE, Tarnekar AM, Shende MR, Ghosh SK, Pal AK.
SRY-Positive 46, XY male with vanishing testis syndrome, feminization and gynecomastia.
Nepal Med Coll J 2012; 14(1): 1-4. (PMID: 23441485)

Shyamal A, Bokariya P, Tarnekar AM, Ingole IV.
Rare presentation of an enlarged isthmus of a horse shoe kidney composed of well differentiated renal architecture: A case report.
Saudi J Kidney Dis Transpl 2012; 23(4): 850- 852. (PMID: 22805409)

Pal AK.
Role and relevance of genetic counselling in genetic disorder and disease with special reference to reproductive failure.
Perspectives in Cytology and Genetics 2012 (15):107-112.

Waghmare JE, Sontakke BR, Bokariya P, Tarnekar AM, Shende MR.
Variant origin of testicular artery- a case report
Natl J Med Sci 2012; 1(2):89-90

Bokariya P, Sontakke B, Waghmare JE, Tarnekar AM, Tirpude BH, Shende MR.
The anthropometric measurements of tibia.

J Indian Acad Forensic Med 2012; 34 (4): 322- 23.

Bokariya P, Gudadhe D, Kothari R, Murkey PN, Shende MR.

Comparison of humerus and femur with respect to location and number of nutrient foramina.

Indian J Forensic Med Pathol 2012; 5(2):23-25.

Bokariya P, Sontakke B, Bokariya R, Wankhede P, Shende MR.

Estimation of tibial height from its lower and upper end by linear regression method.

J Karnataka Medico Legal Soc 2012; 21(2):14-16

Ambulkar PS, Chaudhari AR, Shende MR, Pal AK.

Cytogenetic study in azoospermic&oligozoospermic infertile men.

Perspectives in Cytology and Genetics,

15th AICCG Publications (Eds. A. K. Giri), 2012 (15): 81-86.

Gujar V, Bokariya P, Tarnekar AM, Shende MR.

Bilateral higher origin of profunda femoris artery in a female cadaver.

Rural Surg 2012; 8(3): 13-15

Talhar S, Sontakke BR, Bokariya P, Tarnekar AM, Shende MR

Bilateral variation in formation of median nerve.

Int Org Scientific Res J Pharmacy 2012; 2(6): 5-7

Bhakta AK, Bandyopadhyay M, Tarnekar AM, Ghosh SK.

Dermatoglyphics in Alopecia areata.

Int Human Biol Review 2012; 1 (4): 352- 364.

Sontakke BR, Talhar S, Ingole IV, Shende MR, Pal AK, Bhattarcharya T.

Dermatoglyphic pattern in male infertility

Nepal Med College J 2012; 15 (2): 106-109.

Sontakke BR, Waghmare JE, Tarnekar AM, Bokariya P, Shende MR.

An unusual case of asymmetrical and variant origin of gonadal arteries in a male cadaver

J MGIMS March 2013; 18 (1): 61-62

Khandve B, Gujar V, Bokariya P, Tarnekar AM, Shende MR

Deranged spermatogenesis of adult Swiss Albino mice as effect of immobilization stress – a histological study.

Int Org Scientific Res J Pharmacy2013; 3 (2): 07-10

Gudadhe DR, Talhar S, Bokariya P, Shende MR, Tarnekar AM.

Histo-morphometric demonstration of cardiotoxic effects of Aspartame on mice.
Int Org Scientific Res J Pharmacy2013; 3 (2): 30-33

Shende MR, Bokariya P, Kothari R, Tirpude BH.

Correlation of superior extremity length with stature in central Indian populace.
J Indian Acad Forensic Med2013; 35 (3): 216-218

Shende MR, Tirpude BH, Bokariya P, Kothari R.

Significance of head length in estimation of stature in healthy individuals of central India.
Indian J Forensic Med Toxicol 2013; 7 (2): 128-131.

Sontakke BR, Bokariya P, Waghmare JE, Tarnekar AM, Shende MR.

An elongated styloid process: A case report.
Indian J Anat2013; 2 (1): 45-46.

Wankhede VR, Sontakke BR, Waghmare JE, Shende MR.

Bilateral variation in formation of median nerve.
Indian J Anat 2014; 3 (1): 43- 45.

Ambulkar PS, Singh R, Reddy MVR, Shivumar PV, Gupta DO, Shende MR, Pal AK.

Genetic risk of azoospermia factor (AZF) microdeletions in idiopathic cases of azoospermia and oligozoospermia in Central Indian population.
J ClinDiagn Res2014; 8 (3): 88-91. (PMID 24783090)

Talhar SS, Sontakke BR, Tarnekar AM, Shivumar PV, Pal AK, Shende MR.

Palmar dermatoglyphics study in primary amenorrhea.
Natl J Med Sci2014; III (1): 61- 64.

Talhar S, Bokariya P, Vaidya Y, Pal AK, Shende MR.

Dermatoglyphics in primary amenorrhoea- a robust review.
Int J Basic Appl Med Sci2014; 4 (1): 65- 67.

hyamal A, Tarnekar AM, Shivkumar PV, Das P, Ahsan A, Shende MR.

Histomorphometric study for volume proportion of certain parameters in placenta of pregnancy induced hypertension.
Int J Biomed Res2014; 5 (3): 1- 6.

Pal AK, Sontakke BR, Bokariya P, Wankhede VR, Gujar VK, Talhar SS
Role of genes and environment in human male infertility.
Perspectives in Cytology and Genetics 2014; 16: 60-67.

Sontakke BR, Talhar S, Tarnekar AM, Waghmare JE, Shende MR
Variations in extensor tendons of hand.
European J Biomed Pharm Sci 2014; 1(2): 464-69

Talhar S, Sontakke BR, Waghmare JE, Tarnekar AM, Shende MR, Pal AK
Dermatoglyphics and karyotype analysis in primary amenorrhoea
J Clin Diagn Res 2014; 8(12): 13-16 (PMID: 25653930)

Bhattacharaya T, Sontakke BR, Tarnekar AM, Waghmare JE, Shende MR
Review of studies with effects of MSG in liver, kidney and other tissues in
animal model.
Int J Phytopharmacy Res 2014; 5 (3): 135-138

Vaidya YP, Tarnekar AM, Shende MR, Hulke SM, John S
Histomorphometric demonstration of the effect of chronic use of NSAID
Ibuprofen on mucosa of small intestine of Swiss albino mice.
Int J Exp Pharmacol 2014; 4 (1): 65-69

Ambulkar P, Waghmare JE, Tarnekar AM, Shende MR, Pal AK
A cytogenetic and molecular analysis of Y chromosome microdeletions in
idiopathic cases of human male infertility.
Perspectives in Cytology and Genetics 2014; 16: 115-121.

Gujar V, Bokariya P, Hiware S, Shende MR
Supernumerary bones in superior and inferior extremity
Indian J Forensic Med Toxicol 2015; 9(1): 198-201

Bokariya P, Kothari R, Gujar V, Shende MR
Teratogenic effects of insulin: An experimental study on developing chick
embryo
Indian J Pharmacol 2015; 47(2):212-214

Khatri V, Amdare N, Prasad YRS, Tarnekar AM, Goswami K, Reddy MVR
Brugia malayi abundant larval transcript 2 protein treatment attenuates
experimentally - induced colitis in mice.
Indian Journal of Experimental Biology 2015; 53, November: 732-739.

Pal A K, Ambulkar P S.

Role of Y-chromosomal genes & mitochondrial genes in male infertility.
ISSRF Newsletter. 2016;18:42-44.

Waghmare JE, Waghmare P

Learning theories in medical education.
MedPulse- International Medical Journal. 2016; 3(1): 39-41.

Ambulkar PS, Chaudhary AR, Pal AK

Association of Large scale 4977 and 7345 bp Deletions in sperm mitochondrial DNA with Asthenozoospermia and oligoasthenoteratozoospermia. Journal of Human Reproductive Sciences; 2016; 9(1):35-40.

Talhar SS, Sontakke BR, Waghmare JE, Tarnekar AM, Shende MR

Bilateral variation of renal vessels with its clinical significance-A Case Report
European Journal of Biomedical and Pharmaceutical Sciences 2016, 3,(2), 385-387

Meshram A, Kachhawa K, Gujar V, Bokariya P.

Correlation of Dyslipidemia and Type 2 Diabetes Mellitus amongst the people of Vidarbha Region of India.
Int Org Sci Res J Pharmacy January 2016; 6: 45-50

Paul L, Talhar SS, SontakkeBR,Shende MR, Waghmare JE

Renal length and its relationship with the height of an individual: A Review
IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) 2016; 11(2):36-40

Waghmare JE, Waghmare P, Shende MR

Health education: Overview, challenges and way out .
International Medical Journal. December 2015; 2(12): 932-234

Waghmare JE

Respect to Human Bodies after Death
Reflections; Biannual MET bulletin .July-Dec. 2015

Sen S, Ambulkar P, Hinduja I, Zaveri K, Gokral J, Pal A K, Modi D

Susceptibility of gr/gr rearrangements to azoospermia or oligozoospermia is dependent on DAZ and CDY1 gene copy deletions. J Assit Reprod & Genet.2015;32(9): 1334-41.[PMID: 26149076]

Ambulkar PS, Chaudhary AR, Waghmare JE, Tarnekar AM, Pal AK
Prevalence of Y chromosome microdeletions in azoospermia cases in central
Indian Med J Clin Dia Res. 2015;9(9): GC01-GC04.[PMID: 26500921]

Sen S, Agarwal R, Ambulkar P, Hinduja I, Zaveri K, Pal A K, Modi D.
Deletion of GOLGA2P3Y but not GOLGA2P2Y is a risk factor for
oligozoospermia.
Reprod Biomed online.2016; 32:218-24. [PMID: 26655651]

ANNEXURE II: GUEST LECTURES

Pal AK.
Genetic basis of recurrent abortion (*Guest lecture*)
JNMC, Sawangi, 30 Apr 2011

Pal AK.
Role, relevance and scope of medical genetics with special reference to genetic
counseling – our experience (*Guest lecture*)
15th All India Congress of Cytology & Genetics, Bodhgaya, 21-23 Nov 2011

Pal AK
Genes in Male Infertility with special Reference to Y-chromosomal and
Mitochondrial genes (*Guest lecture*)
17th All India Congress of Cytology and Genetics & International Symposium on
“Exploring Genomes: The New Frontier” Dec’ 22-24, 2015 at CSIR-Indian
Institute of Chemical Biology,
(Kolkata).

Shende MR.
Body and organ donation awareness. (*Guest lecture*)
Institute of Pharmaceutical Education and Research,
Borgaon (Meghe), Wardha, 21 Jan 2016

ANNEXURE IV A: CONFERENCES ATTENDED

Shende MR, Pal AK.

Conference of Society for Mitochondrial Research & Medicine
CCMB, Hyderabad, 11 Dec 2011

Shende MR.

CME on Histological techniques
JNMC, Sawangi (Meghe), 21 Dec 2011

Shende MR, Wankhede V, Sontakke B, Gudadhe D, Khandave B, John S.

Vidarbha Chapter of Anatomy Annual Conference
SVNGMC, Yavatmal, 26 Nov 2011

Pal AK, Waghmare JW.

15th All India Congress of Cytology & Genetics
Bodhgaya, 21-23 Nov 2011

**Tarnekar AM, Bokariya P, Sontakke B, Gujar V, Talhar S, Gudadhe D,
Khandave B.**

59th NATCON
ASI Indore, 26-27 Dec 2011

Bokariya P.

APPICON- 2011
New Delhi, 13-17 Dec 2011

Shende MR, Tarnekar AM, Wankhede V.

CME on Research in Medical Education
Medical Education Unit, NKPSMIH, Nagpur, 13 Jan 2012

Shende MR

NATCON 61 ASI Dept of Anatomy
PGI Chandigarh, 22 -25 Nov 2013

Wankhede VR.

International conference on miracles and progress of Neuropsychopharmacology
in 21st century
Dept of Pharmacology & Psychiatry, MGIMS Sevagram, 9 -10 Feb 2013

Bokariya P

CME on MedEqSafe-INDIA 2013
MGIMS Sevagram, 22 Jan 2013

Shende MR, Pal A, Tarnekar AM, Waghmare JE, Wankhede V, Sontakke BR, Chavan S, Talhar S, Gudadhe D, John S, Vaidya Y, Hiware S
CME on Review of clinical anatomy of kidney in context of present day needs
MGIMS, Sevagram, 24 Jan 2013

Tarnekar AM, Waghmare JE
NCHPE 2014, MGIMS, Sevagram, 24-27 Sep 2014

Shende MR
NATCON 62 ASI
Manipur Medical Council, Imphal, 17-20 Nov 2014

Shende MR
NATCON 63 ASI
King George's Medical Uni Lucknow, 20-23 Nov 2015

Sontakke BR
17th All India Congress of Cytology and Genetics and
Symposium on Exploring Genomics: The New Frontier
CSIR, Indian Institute of Chemical Biology, Kolkata, 22-24 Nov 2015

ANNEXURE IV B: COURSES ATTENDED

Waghmare JE
Sensitization program for AT-COM module at MCI Nodal Centre ,
JNMC, Sawangi September 7, 2015

Waghmare JE
1st Revised Basic Course in Medical Education Technology. at MCI Nodal Centre
JNMC, Sawangi. September 8-10, 2015

ANNEXURE IV C: WORKSHOPS ATTENDED

Sontakke BR
Empanelment criteria under Rajiv Gandhi Jeevandayi Yojana
Conducted by NABH, Pune, 11-4 Mar 2014

Waghmare JE

3T Bioethics Training Workshop, for Medical Teachers' at MUHS Nashik May 25-28, 2015

ANNEXURE IV D: MEU WORKSHOPS

Shende MR

Basic Workshop on Medical Education Technology:
MGIMS Sevagram 16-18 Jan 2012:

Shende MR

Workshop on Curriculum Planning and innovations,
MGIMS Sevagram, 20 Dec 2012

Shende MR

Workshop on Bioethics and Communication skills,
MGIMS Sevagram 19 Jul 2015

Tarnekar AM, Waghmare JE

Basic Course Workshop in Medical Education Technology: 20-22 Jan 2015:

Tarnekar AM, Waghmare JE

Course on 'Developing e-Course with MOODLE' : 28 Feb – 27 Mar 2015

Shende MR

Course on 'Developing e-Course with MOODLE' : 27 July-24 Aug 2015

Tarnekar AM

Sensitization programme for attitude and communication module
MCI Nodal Centre for National Faculty Development, JNMC Sawangi, 3 Dec 2015

Tarnekar AM

Revised basic Course Workshop on Medical Education Technology
MCI Nodal Centre for National Faculty Development, JNMC Sawangi, 13-15 Jul 2016

Wankhede VR, Sontakke BR

Revised basic Course Workshop on Medical Education Technology
MCI Nodal Centre for National Faculty Development, JNMC Sawangi, 27-29 Sep 2016

ANNEXURE IV E: RESEARCH METHODOLOGY WORKSHOPS

Sneha John &Yuganti Vaidya

Workshop on Research Methodology for Postgraduate Students: 3-9 Oct 2011

Shende MR, Tarnekar AM, Waghmare JE, Wankhede VR

Basic Workshop in Research Methodology, MUHS-MET approved
MGIMS Sevagram 7-12 Jan 2013

Bokariya P, Sontakke B

Research Methodology Workshop for Faculty Members : 10-15 Nov 2014

Pal AK

Basic Workshop in Research Methodology, MUHS-MET approved
MGIMS Sevagram 2014

ANNEXURE V: QUIZ PARTICIPATION

Dr TL Patil Memorial Quiz Competition (Vidarbha Level)

S.No	Name of Students	Year	Rank
1	Ms. Shambhavi Chowdhary Ms. Shubhra Chhajad	2016	I Rank
2	Mr. Anirudh Iyengar Ms. Girisha Rao	2015	II Rank
3	Ms. Sahitya Rao Mr. Akshay Yadav	2014	I Rank
4	Mr. Sachin Chate Ms. Amme Amara	2013	IV Rank

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

Theme : CME on Scope and application of anthropometric methods in present day research

Organizing Secretary : Dr MR Shende

Date : 18 Nov 2011

No. of Delegates : 102

Key Topics : Anthropometry- views on anthropometric measurements in anatomical research, osteometry and its application in identification of individuals from skeletal remains, application of anthropometry in Orthopedics
Resource persons : Dr S Gangopadhyay, Dr Mohd. Laeeque, Dr CM Badole

Theme : CME on 'A review of clinical anatomy of kidney in context of present day needs'

Organizing Secretary : Dr MR Shende

Date : 24 Jan 2013

No. of Delegates : 61

Key Topics : Clinical anatomy of kidney in anatomists' view, Clinical anatomy of kidney- A surgeon's view, Renal Imaging' with anatomical basis and clinical relevance -Radiologists' view

Key Persons : Dr RA Kamble, Dr P Vyavhare, Dr(Brig) Chander Mohan

Theme : Guest Lecture on Organ and Tissue Donation

Speaker : Dr Ravi Wankhede

Date : 25 Mar 2015

Theme : Guest Lecture on Research Methodology

Speaker : Dr PP Nandardhane

Date : 14 Oct 2016

ANNEXURE VII: PRESENTATIONS

Tarnekar AM.

Effect of neonatal exposure of aspartame on microstructure of retina of Swiss albino mice

59th NATCON of ASI Indore, 27-29 Dec 2011

Waghmare JW, Ambulkar A, Pal AK.

Cytotoxic and genotoxic effect of Ofloxacin on human lymphocytes in vitro.

15th All India Congress of Cytology & Genetics, Bodhgaya, 21-23 Nov 2011

Wankhede V, Wankhede RM, Tarnekar AM, Shende MR.

Advantages of PowerPoint based lectures in Anatomy teaching in comparison with

traditional chalk and board method in undergraduate students

Medical Education Unit, NKPSMIH Nagpur, 13 Jan 2012

Bokariya P, Bokariya R, Shende MR, Singh R.

Students' perception of seminars: a questionnaire study
57th Annual Conference of Physiologists & Pharmacologists of India 'APPICON 2011'
AIIMS, New Delhi, 15-17 Dec 2011

Bokariya P, Kothari R, Shende MR, Umarji BN.

Estimation of lethal doses of Acyclovir, Ondansetron, Insulin on developing chick embryo
57th APPICON, 2011, New Delhi, 15-17 Dec 2011

Sontakke BR, Waghmare JE, Talhar S, Shende MR.

Variant origin of testicular arteries- a case report.
59th NATCON of ASI Indore, 27-29 Dec 2011

Gujar V, Tarnekar AM, Shende MR.

Effect of aspartame on kidney of Swiss albino mice
59th NATCON of ASI Indore, 27-29 Dec 2011

Talhar S, Tarnekar AM, Sontakke BR, Shende MR.

Dermatoglyphics patterns and karyotype analysis in primary amenorrhoea
59th NATCON of ASI Indore, 27-29 Dec 2011

Khandve B, Gujar V, Tarnekar AM, Wankhede V, Shende MR.

High origin of profunda femoris artery from femoral artery in same cadaver: A case report
Vidarbha Chapter of Anatomy Annual Conference, Yavatmal, 26 Nov 2011

Gudadhe D, Waghmare JE, Tarnekar AM, Shende MR.

Peroneal artery substituted anterior tibial artery in the lower part of leg and dorsum of foot - A case report
59th NATCON of ASI Indore, 27-29 Dec 2011

Gudadhe D, Talhar S, Sontakke BR, Tarnekar AM, Shende MR.

Double lateral root of median nerve: a case report
Vidarbha Chapter of Anatomy Annual Conference, Yavatmal, 26 Nov 2011

Chavan R, Katti AS, Herekar NG, Tarnekar AM, Shende MR.

Morphometric analysis of sella turcica.
60th NATCON, Bhubaneswar, 27-29 Dec 2012

Gujar V, Bokariya P, Tarnekar AM, Shende MR.

Effect of aspartame on urinary bladder of mice- a histological study.
NATCON 60 at Bhubneshwar, 27-29 Dec 2012

Vaidya Y P, Waghmare JE, Tarnekar AM, Shende MR.

Unilateral isolated incompletely duplicated ureter- a case report.
60th NATCON, Bhubneshwar, 27-29 Dec 2012.

John S, Tarnekar AM, Shende MR.

Abnormal relation between piriformis and sciatic nerve- a case report.
60th NATCON, Bhubneshwar, 27-29 Dec 2012.

Shende MR.

Cytogenetic study in azoospermic and oligozoospermic infertile men.
61st NATCON of Anatomical Society of India (ASI),
PGIMER, Chandigarh, 23 -25 Dec 2013.

Gujar V, Bokariya P, Tarnekar AM, Shende MR.

Deranged spermatogenesis of adult Swiss albino mice as an effect of
immobilization stress- histological study.
61st NATCON of Anatomical Society of India (ASI),
PGIMER, Chandigarh, 23 -25 Dec 2013.

Hiware S, Gujar VK, Sontakke BR, Wankhede VR, Tarnekar AM, Shende MR.

Accessory left renal artery- a case report.
61st NATCON of Anatomical Society of India (ASI),
PGIMER, Chandigarh, 23 -25 Dec 2013.

Pal AK.

Role of genes and environment in human male infertility. (Plenary lecture)
16th All India Congress of Cytology & Genetics (AICCG)
National Symposium on Gene Environment and Health,
University of Kerala, Kariyavattom, Thiruvananthapuram 22-24 Oct 2013.

Ambulkar P, Shende MR, Tarnekar AM, Pal AK.

A cytogenetic and molecular analysis of Y chromosome micro-deletions in
idiopathic cases of human male infertility.
16th All India Congress of Cytology & Genetics (AICCG)

National Symposium on Gene Environment and Health,
University of Kerala, Kariyavattom, Thiruvananthapuram 22-24 Oct 2013.

Bokariya P, Kothari R, Shende MR

Teratogenic effects of Ondansetron: A study on developing chick embryo
60th Annual Conference of Association of Physiologists & Pharmacologists
(APPICON)
Puri, 20 - 22 Nov 2014

Hiware S, Tarnekar A, Shende MR

Histological evaluation of lung of Swiss Albino mice after prolonged therapeutic
doses of NSAID- Ibuprofen
62nd Annual Conference of Anatomical Society of India, Regional Institute of
Medical Sciences, Imphal (Manipur), 18-20 Nov 2014

Wankhede VR, Talhar S, Sontakke BR, Tarnekar AM, Shende MR

Behaviour of undergraduate medical students towards recently developed
PowerPoint based lectures versus traditional chalk and board based lectures in
teaching of Anatomy.
Maharashtra Chapter of Anatomy, NKP Salve Institute of Medical Sciences &
RC,
Nagpur 19-20 Sep 2014

Sontakke BR, Talhar S, Tarnekar AM, Waghmare JE, Shende MR

Variations in the extensor tendons of hand
Maharashtra Chapter of Anatomy, NKP Salve Institute of Medical Sciences &
RC,
Nagpur 19, 20 Sep 2014

**Talhar S, Sontakke BR, Waghmare JE, Wankhede VR, Tarnekar AM,
Shende MR**

Cadaveric study of bilateral variations of renal vasculature with its clinical aspects
Maharashtra Chapter of Anatomy, NKP Salve Institute of Medical Sciences &
RC,
Nagpur 19, 20 Sep 2014

Gujar V, Bokariya P, Shende MR

Teratogenic effects of insulin: A morphometry based study on developing chick
embryo

62nd Annual Conference of Anatomical Society of India, Regional Institute of Medical Sciences, Imphal (Manipur), 18-20 Nov 2014

Ambulkar P, Pal AK

Study of mitochondrial DNA deletions in human spermatozoa in asthenozoospermic and oligoasthenoteratozoospermic infertile men.
4th Asian Conference on Environmental Mutagens IICB, Kolkata, 10-12 Dec 2014

Ambulkar P, Choudhary AR, Pal AK

Study of “common” large size mitochondrial DNA deletions in human spermatozoa in asthenozoospermic and oligoasthenoteratozoospermic infertile men.
International Conference on Reproductive Health, NIRRH, Mumbai, 14-17 Feb 2015

Waghmare JE, Ambulkar PS, Gangane NM, Pal AK

Molecular genetic studies of Completehydatiform moles.
17th All India Congress of Cytology and Genetics & International Symposium on “Exploring Genomes: The New Frontier” Dec’ 22-24, 2015 at CSIR-Indian Institute of Chemical Biology, (Kolkata).

Wankhede VR, Wankhede RM, Pradhan GC, Deshpande VK

Evaluation of PFT Parameters in Yogis & control group
National Symposium on Healthy Yoga Lifestyle- for prevention of Lifestyle diseases & Role of Yoga, MGIMS, Sevagram, 10-11, 2015.(1st poster prize.)

Sontakke BR, Talhar JE, Waghmare JE, Ambulkar PS, Pal AK.

Chromosomal Analysis of Primary Amennorrhea cases.
17th All India Congress of Cytology and Genetics & International Symposium on Exploring Genomes: The New Frontier” 22-24 Dec 2015, CSIR-Indian Institute of Chemical Biology, (Kolkata).

Debbarma M, Gujar V, Bokariya P, Wankhede V, Tarnekar AM, Shende MR

Designing teaching learning methodology by exploring student’s perspectives in Anatomy
NATCON 63, KGMC Lucknow, November 22, 2015

Ambulkar PS, Chaudhari AR, Pal AK.

Study on the “Large scale mitochondrial DNA deletions” of 7.4 kb of human spermatozoa in asthenozoospermic and oligoasthenoterato-zoospermic infertile men.

17th All India Congress of Cytology and Genetics & International Symposium on Exploring Genomes: The New Frontier” Dec, 22-24, 2015 at CSIR-Indian Institute of Chemical Biology, (Kolkata).

ANNEXURE VIII : MD/ MS THESES

S.No	Name of PG	Thesis topic	
1	Dr. Shabina Anjum	Morphological, histological & histochemical study of placenta in gestational diabetes	Submitted to MUHS Nashik- Dec 10
2	Dr. Anup Shyamal	Morphological and histological study of placenta in pregnancy induced hypertension	Submitted to MUHS Nashik- Dec 10,
3	Dr. Shweta Talhar	Dermatoglyphic study in primary amenorrhoea.	Submitted to MUHS Nashik- Dec 11,
4	Dr. Vijay Gujar	Effect of Aspartame on the kidney of adult mice – a histological study.	Submitted to MUHS Nashik- Dec 11
5	Dr. Deepali Gudadhe	Effect of Aspartame on Myocardium of mice- a histological study.	Submitted to MUHS Nashik- Dec 12,
6	Dr. Bhavana Khandve	Effect of immobilization stress on spermatogenesis of Swiss albino mice.	Submitted to MUHS Nashik- Dec 12,
7	Dr. Yuganti Vaidya	Micro structural changes in enteric mucosa of Swiss albino mice as a result of chronic use of NSAID-Ibuprofen	Submitted to MUHS Nashik- Dec 13
8	Dr. Sneha John	Cytogenetic study in male infertility	Submitted to MUHS Nashik- July 14,
9	Dr. Sanket Hiware	Effect of use of NSAID- Ibuprofen in prolonged therapeutic doses on mucosa of lower respiratory tract of mice - A histological study.	Submitted to MUHS Nashik- Dec 14,
10	Dr. Mrinmayee	Anthropometric assessment of	Due to submit

	DebBarma	Type II Diabetic Patients with special emphasis in facial features	thesis in 2017
11	Dr. Lipika Paul	Assessment of Renal dimensions and its relationship with anthropometry	Due to submit thesis in 2017

DEPARTMENT OF PHYSIOLOGY

1. Name of the Department: PHYSIOLOGY
2. Year of establishment: 1969
3. Is the Department part of a college/Faculty of the university? :- Yes. The department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram.
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) :
UG (MBBS), PG (MD Physiology). PhD (Physiology)
5. Interdisciplinary programs and departments involved : Yes
PG students are posted for specified periods in the other Departments like Biochemistry (15 days), Medicine (1 month) and Pathology~Blood Bank (15 days) according to University guidelines.
6. Courses in collaboration with other universities, industries, foreign institutions: NIL
7. Details of programs discontinued, if any, with reasons : NA
8. Examination System: Annual/ Semester/ Trimester/ Choice Based Credit System : Annual
9. Participation of the department in the courses offered by other departments:
Faculty of the department is involved in teaching Nursing students (Basic B.Sc. Nursing, Post Basic B.Sc. Nursing)
10. Number of teaching posts sanctioned, filled and actual(Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor/ Reader	3	2	3
Assistant Professor	3	3	2
Tutor / Clinical Instructor	4	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. A. R. Chaudhari	MD (Physiology)	Prof. & Head	Physiology	29 Y 5 M
Dr. Shobha Pajai	MD	Associate Prof.	Physiology	17 Y 8 M

Name	Qualification	Designation	Specialization	No. of Years of Experience
	(Physiology)			
Dr. Nishant V Bansod	MD (Physiology)	Associate Prof.	Physiology	12 Y 4 M
Dr. Sachin Pawar	MD (Physiology)	Associate Prof.	Physiology	11 Y 4 M
Dr. Ruchi Kothari	PhD (Medical) Physiology	Assistant Prof.	Physiology	12 Y 10 M
Dr. Vinod Shende	MD (Physiology)	Assistant Prof.	Physiology	7 Y 1 M
Dr. Piyali Debbarma	MBBS	Tutor	Physiology	1 Y
Dr. Shweta Bhagat	MBBS	Tutor	Physiology	1 Y
Dr. S. Bhattacharjee	MBBS	Tutor	Physiology	6 M
Dr. Vitthal Salve	MBBS	Tutor	Physiology	6 M

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors NIL
13. Percentage of classes taken by temporary faculty – program-wise information
NA
14. Program-wise Student Teacher Ratio- UG 1:10 PG 1:1
15. Number of academic support staff (technical) and administrative staff:
sanctioned, filled and actual

Non Teaching Staff	Sanctioned	Filled	Actual (including CAS & MPS)
Lab Technician	3	3	3
Attendant	2	2	2

16. Research thrust areas as recognized by major funding agencies
- Neurophysiology
 - Sleep Physiology
 - Reproductive biology
17. Number of faculty with ongoing projects from
- a) national: 1 (Pawar S)
b) international funding agencies: NIL
c) Total grants received: 22, 96, 096/-
Give the names of the funding agencies, project title and grants received project-wise.
- 1. Project title: Electrophysiologic studies in lumbo-sacral radiculopathy**
PI: Sachin Pawar
Funding agency: UGC, New Delhi, 2013-15

Grant received: Rs 1, 43,136/-

2. **Project title: The role of late responses in the diagnosis of diabetic polyneuropathy**
PI: Sachin Pawar
Funding agency: MUHS, Nashik, 2014-2016
Grant received: Rs 1,00,000/-

 3. **Project title: Prevalence and risk factors of obstructive sleep apnea-hypopnea syndrome in rural Indian population: A community based cross-sectional study**
PI: Sachin Pawar
Funding agency: ICMR, 2015-2017
Grant received: Rs 20, 52, 960/-
18. Inter-institutional collaborative projects and associated grants received
b) National collaboration b) International collaboration NIL
19. Departmental projects funded by **ICMR**; DST-FIST; **UGC-SAP/CAS**, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
1. **Funding agency: UGC, New Delhi, 2013-15**
Project title: Electrophysiologic studies in lumbo-sacral radiculopathy
Grant received: Rs 1, 43,136/-
PI: Dr. S. Pawar
 2. **Funding agency: ICMR, 2015-2017**
Project title: Prevalence and risk factors of obstructive sleep apnea-hypopnea syndrome in rural Indian population: A community based cross-sectional study
Grant received: Rs 20, 52, 960/-
PI: Dr. S. Pawar

Short term ICMR Student Projects undertaken & completed during last five years 2011-15

Each student receives a grant of **10,000/-** from ICMR

2011

1. **Afreen Bari, Guide: Dr Ramji Singh**
Role of sympathetic skin response in early diagnosis of diabetic neuropathy

2. **V Radhika; Guide: Dr AR Chaudhari**
Oxidative stress in infertile males
3. **Anurag Singh; Guide: Dr Sachin Pawar**
Polysomnographic study in diabetes mellitus
4. **Puja Singh, Guide: Dr Vinod Shende**
Study of membrane integrity of sperms by hypo-osmotic swelling test in smokers.

2012

5. **Kashikar A; Guide: Pawar S**
Electrophysiologic study in cervical radiculopathy quality
6. **Singh A, Guide: Singh R**
Electrophysiological evaluation of carpal tunnel syndrome in subjects with hypothyroidism

2013

7. **Sharma R; Guide: Shende V**
Electrophysiological study of median nerve entrapment neuropathy at wrist in uremic patients- a cross sectional study

2015

8. **Periwal C; Guide: Kothari R**
Assessment of Visual Evoked Potentials during pregnancy – a normative study
9. **Jiwane T; Guide: Shende V**
Study of the electrophysiological profile of patients with Guillain Barre Syndrome

2016

10. **Yadav A; Guide: Kothari R**
Impact of Yoga on stress experienced by medical students- An Interventional study

20. Research facility / centre with

- state recognition (**Department & faculty are recognised by MUHS, Nashik**)

1) Reproductive biology Unit

The Department provides services to patients through the Reproductive Biology Lab which was established in 1971. Since then, the lab has been improved and equipped with latest diagnostic tools. Counseling is also done to the infertile couples.

2) Neurophysiology Unit

Further in 2002, the Neurophysiology lab was started with Nerve Conduction and Evoked Potential studies. Patients from various clinical departments such as Orthopedics, Medicine, ENT, Eye and Pediatrics are being referred for various neurophysiological investigations.

3) Sleep Physiology Lab.

A sleep lab has been set up in the Department where we try to diagnose various sleep related problems.

- national recognition
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil
 22. Publications:
 - * Number of papers published in peer reviewed journals (national / international) : 69 (**Annexure IA** attached)
 - * Monographs
 - * Chapters in Books
 - * Books edited
 - * Books with ISBN with details of publishers
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - * Citation Index – range / average 2-50 (Average=19.5)
 - * SNIP
 - * SJR
 - * Impact Factor – range / average 0.50-3.5 (Average=1.263)
 - * h-index = 6
 23. Details of patents and income generated NIL
 24. Areas of consultancy and income generated
Institute policy does not permit any financial incentive to be taken by faculty.
 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : NIL
 26. Faculty serving in
 - b) National committees
 - c) International committees
 - d) Editorial Boards

Dr. AR Chaudhari is on Editorial Board of Journal of Mahatma Gandhi

Institute of Medical Sciences

- e) any other
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).
- By attending:
- e) Conferences (Annexure IVA)
 - f) Courses (Annexure IV B) - Nil
 - g) Workshops (Annexure IV C)
 - h) Teachers training Programmes:
 - 1. MEU WORKSHOPS attended (Annexure IV D)
 - 2. Research Methodology workshops (Annexure IV E)
28. Student projects
- percentage of students who have taken up in-house projects including inter-departmental projects:
 - All Post graduates (Annexure VIII of MD theses from 2011-2015)
 - UG students take up ICMR studentship projects as per their interest in a particular subject.
 - percentage of students doing projects in collaboration with other universities / industry / institute : NIL
29. Awards / recognitions received at the national and international level by
- Faculty
 - Doctoral / post doctoral fellows
- Students**
- a) 2015 UG batch comprising of Shambhavi Chaudhari, Kshitija Palhade and Shubhra Chhajed secured the second position in Vidarbha level Physiology quiz organized by Vidarbha Association of Physiologists at GMC, Nagpur on 11th March 2016
 - b) Mr. Akshay Yadav (2013 batch) guided by Dr. Ruchi Kothari, won the 2nd prize for his research paper entitled " Impact of Yoga on stress experienced by Medical Students- An Interventional study" in a National undergraduate students conference organized at Sri Manakula Vinayagar College and Hospital, Pondicherry named SIMSCON 2016. The student received a cash prize of 3000/- and a gold plated memento for 2nd best paper award.
 - c) Mr. Vidit Panchal (2013 batch) bagged 3rd prize at a national undergraduate conference, INVENTUM 2016 held at Pravara Institute of Medical Sciences, Loni, Maharashtra from 28th to 30th April 2016 for his presentation on "Assessment of visual evoked potentials during pregnancy:

A normative study” which was again a research done under the ICMR STS scheme by Ms. Chetna Periwal (Batch 2012) guided by Dr. Ruchi Kothari.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.NIL

31. Code of ethics for research followed by the departments

All research projects are approved by Institutional Ethics Committee, MGIMS.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Total Pass percentage
		Male	Female	
UNDERGRADUATES (I MBBS) 2015	12871	100%	97.22%	93.94%
(I MBBS) 2014	15555	97.82	92.45	96.94%
(I MBBS) 2013	8119	92.45	65.95	85%
(I MBBS) 2012	16003	94.11	90.65	93.85
(I MBBS) 2011	12518	96.77	94.29	93.94
POSTGRADUATES				
2015	247	2 M	0 F	
2014	265	0 M	2 F	50% 100%
2013	191	-----		50% 100%
2012	149	1 M	1 F	0% 100%
2011	205	1 M	1 F	100% 100%

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG 2015	50%(1)	50% (1)	---	---
PG 2014	50% (1)	-----	50% (1)	----
PG 2013	----	----	----	----
PG 2012	50% (1)	50% (1)	----	
PG 2011	100% (2)	----	---	---

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Not

applicable

35. Student progression : Not applicable

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil,DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	100%
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	16.66 (1/6)
from other universities within the State	66.66 (4/6)
from universities from other States	16.66 (1/6)
from universities outside the country	

37. Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period :

ONE (Dr. Ruchi Kothari was awarded Ph.D. in 2015)

38. Present details of departmental infrastructural facilities with regard to

a) Library

Department Library-

a. Number of books: 386

b. Number of Journals: 01

Central Library –

a. Number of books: 899

b. Number of Journals: 02

b) Internet facilities for staff and students: wifi available for Staff & Students

c) Total number of class rooms:

➤ One Lecture Hall (with capacity of 120 students)

➤ One demonstration room (with capacity of 75 students)

➤ One seminar room (with capacity of 20 students)

f) Class rooms with ICT facility and 'smart' class rooms:

All lecture halls are wifi enabled and have LCD projection facility.

e) Students' laboratories: 3

- Haematology Lab.
- Clinical Lab
- Mammalian Lab

f) Research laboratories: 3

- Reproductive Biology Lab.
- Neurophysiology Lab.
- Sleep Lab

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university :

No. of Ph.D. students enrolled under the dept. of Physiology: 05

- 1) **Dr. Jyoti Jain**
- 2) **Dr. Sachin Pawar**
- 3) **Dr. Vinod Shende**
- 4) **Mrs. Bharati Mahindrakar**

b) from other institutions/universities : NIL

40. Number of post graduate students getting financial assistance from the university.

The following PG students received research grant of 25000/- from **Institutional Research Committee of KHS.**

1. Name of PG student: Dr. Priya Bhagde

Year: 2012

Topic: Study of oxidative stress and antioxidants in plasma of cord blood of preterm and term babies

Grant received: 25000/-

2. Name of PG student: Dr. Vitthal Salve

Year: 2016

Topic: Study of various electrophysiological indices for the diagnosis of peripheral neuropathy in type 2 diabetic patients in Central India

Grant received: 25000/-

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The assessment exercise is undertaken at the level of MUHS. Curriculum followed is designed by MUHS. If any review of curriculum takes place, Board of Studies members submit representations with our feedback to university.

42. Does the department obtain feedback from

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
 - Curriculum Committee and College Council meetings are conducted for feedback from faculty. Action taken depending on issues raised.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - At the end of the Unit/system taught by each teacher, feedback is taken from students in order to improvise and overcome limitations, if any.
 - Mentor-Mentee meetings are conducted by faculty of the dept. through which each UG student is allotted to a mentor with whom they can discuss their academic as well as other grievances.
 - c. alumni and employers on the programs offered and how does the department utilize the feedback?
 - Yes, the institution obtains feedback from during conferences and workshops
 - This is utilized for constructive improvement of the departmental teaching and working methods
43. List the distinguished alumni of the department (maximum 10):
1. Dr.Amit Kant Singh, Associate Professor, UP Rural Institute of Medical Sciences and Research, Saifai, Etawah, Uttar Pradesh
 2. Dr. Piyali Das, Associate Professor, Bankura Sammilani Medical College, Bankura, Bengal
 3. Dr. Balaji Ghughare, Assistant Professor, GMERS Medical College, Gotri, Vadodara, Gujarat
 4. Dr. Satyendra Prajapati, Associate Professor, Late Shri Baliram Kashyap Memorial NDMC Govt Medical College, Jagdalpur
 5. Dr. Dipali Chatur, Senior Resident, AIIMS, Raipur
 6. Dr. Pranjali Pahune, Assistant Professor, Dr Vasantao Naik Medical College and Hospital, Nashik
 7. Dr. Santosh Balgote, Assistant Professor, Govt Medical College, Rajnandgaon
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts:
1. Under the banner of Academy of Basic Medical Sciences every student presents seminar on allotted topics (Annexure attached). This activity is intended for nurturing active learning and developing communication skills of the students.

All undergraduate students of first MBBS presented seminars on selected topics in the preliminary round. Best selected students appear in semifinals and followed by final rounds. The final is organized in collaboration with the MGIMS Academy of Medical Sciences.

2. MGIMS Academy of Medical Sciences (Annexure attached)
 3. Orientation camp: Faculty members conduct sessions in the Communication Skills Workshop and Bioethics Workshop held in the camp for I MBBS students
 4. Physiology quiz: Students participated in Vidarbha level Physiology quiz organized by Vidarbha Association of Physiologists at GMC, Nagpur on 11th March 2016
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

FOR UGs

- Apart from the regular teaching sessions, the faculty of the department encourages students to prepare charts and posters pertaining to practicals especially clinical ones.
- Small group teaching methods are employed for better understanding
- Discussions are introduced enabling the weaker and shy students to help them get rid of their inhibition and to come up in the fore front.
- Through Academy of Basic Medical Sciences we conduct seminars on different topics in Physiology.
- Self study time is allotted in time table once a week.

FOR PGs

- Journal Club
 - PG Seminar
 - Problem based learning
 - Case Based Learning
 - Microteaching
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Evaluation of MBBS program is done through results in the following exams: part completion tests, terminal exam, preliminary exam and university exams.
 - Feedback is collected from the students
 - Feedback is collected from the faculty
 - Discussion at curriculum committee meeting and college council regarding

- the same is conducted.
- Guidelines from university are followed.
47. Highlight the participation of students and faculty in extension activities.
Nil
48. Give details of “beyond syllabus scholarly activities” of the department.
- Since 2011, we are involved in conduct of Communication Skills workshop conducted for I MBBS students as per MUHS guidelines.
 - Mentoring programme in which faculty are allotted small group of students for closer interaction and follow up.
 - Seminars in Academy of Basic Medical Sciences
- **Research presentation by our students outside MGIMS**
 - a) Mr. Akshay Yadav (2013 batch) guided by Dr. Ruchi Kothari, won the 2nd prize for his research paper entitled "Impact of Yoga on stress experienced by Medical Students- An Interventional study" in a National undergraduate students conference organized at Sri Manakula Vinayagar College and Hospital, Pondicherry named SIMSCON 2016. The student received a cash prize of 3000/- and a gold plated Memento for 2nd best paper award.
 - b) Mr. Vidit Panchal (2013 batch) bagged 3rd prize at a national undergraduate conference, INVENTUM 2016 held at Pravara Institute of Medical Sciences, Loni, Maharashtra from 28th to 30th April 2016 for his presentation on “Assessment of visual evoked potentials during pregnancy: A normative study” which was again a research done under the ICMR STS scheme by Ms. Chetna Periwal (Batch 2012) guided by Dr. Ruchi Kothari.
 - Bioethics workshop: The workshop was a joint initiative of the Indian Program of the UNESCO Chair in Bioethics Haifa & Maharashtra University of Health Sciences (MUHS) It consists of a vertically and horizontally integrated bioethics curriculum programmes. This program uses empowerment by 3T program i.e. Train Teach & Transfer.
- **ICMR SHORT TERM STUDENTSHIP PROJECTS**
The Department encourages undergraduate students to pursue research. They apply for short term Student fellowships which are ICMR sponsored. Till date a total of 10 such projects have been successfully completed. (List mentioned in point no. 19)
49. State whether the program/ department is accredited/ graded by other

agencies? If yes, give details.
MUHS, MCI

Date of MBBS recognition: 22 April 1976
Date of MD recognition by MCI: 16 May 2003
Date of PhD recognition from MUHS: 31 June 2008
Date of last inspection of
MCI: 05-02-2016
MUHS: 02-03-2015

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Several Workshops on Medical Education Technology (MET) are regularly conducted in the institute in which faculty members of the Department participate and improve their teaching skills.
 - To breach the gap in knowledge in research areas, the faculty disseminates their research work in the form of publications in various journals of national and international repute. (See Annexure)
 - To generate newer concepts, the faculty members update their knowledge by attending various conferences and workshops across the country. They also make presentations in these platforms in order to disseminate their work (See Annexure)
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Availability of well equipped Reproductive Biology Unit & Neurophysiology lab for UG/PG education, healthcare and research.
- Full staff available throughout year
- Learning resources are available with sufficient infrastructural support.
- Faculty put in dedicated efforts for updating themselves with latest needs/requirements for teaching-learning
- Research environment is conducive and all are actively involved.

Weaknesses:

- Difficulty in attracting the students towards Physiology because of overburdening by exhaustive and bulky subjects like Anatomy.

- Assessment system prescribed by MUHS encourages rote learning. More context based questions need to be introduced in MCQs and theory paper.
- The current syllabus needs to be more skill oriented to make the subject more relevant to students and useful to the demands of community

Opportunities:

- With use of blended learning and e-learning, it will become possible to complete our course in the one year schedule by stimulating self directed learning as well as online interactivity in some topics
- Dissemination of the research being carried out in the department to a national or international audience
- Encouragement to UGs and PGs to present, research papers in conferences and publish
- Strengthening of horizontal and vertical integration of learning for early clinical exposure

Challenges

- Time in I MBBS is limited to one year which makes it tough to give time for research or co-curricular activities as the schedule is already packed
- Helping medical students to cop with the growing stress
- Teaching students of different educational background from different states simultaneously

52. Future plans of the department.

Short term Plans: Development of E- Learning Modules on Moodle.

- To enhance e- learning: Development of Moodle based courses prepared by faculty on different topics. All faculty have already received training in the institute regarding this and have developed practice courses which are being peer reviewed by MEU and departmental faculty.

Long term Plans

- Upgradation of UG lab: Spirometer Computerized (one) needs to be added
- Upgradation of Neurophysiology Unit: Multi- focal VEP machine for Visual Electrophysiology needs to be added
- Upgradation of Reproductive Biology Unit: Computer Assisted Semen Analyser (CASA) to be purchased

ANNEXURES FOR DEPARTMENT OF PHYSIOLOGY

ANNEXURE I A PUBLICATIONS

1. **BokariyaP, Chowdhary DS Tirpude BH, Kothari R, Waghmare JE, Tarnekar A.**
A Review of the Chronology of Epiphyseal Union in the Bones at Knee and Ankle Joint
J Indian Acad Forensic Med July-September 2011; 33(3):258-260.
2. **BokariyaP, Bokariya R, GudadheD, Shyamal A, Tirpude BH, Shende MR.**
The Anthropometric Measurement of Humerus Segments.
J Forensic Med Toxicol 2011; 28 (1): 53-55.
3. **Bokariya P, Kothari R, Waghmare JE, Tarnekar AM, Pal AK, Ingole IV.**
Comparision of Dermatoglyphic pattern of population of Western Rajasthan and Garhwal region of Uttarakhand.
Indian J Forensic Med Toxicol 2011; 5(2): 80-83
4. **Chaudhari A, Prajapati S, Das P, Singh R.**
Influence of oxidative stress on functional integrity of human spermatozoa membrane.
J Obstetr Gynaecol India 2011; 61(2): 195-199.
5. **Pawar SM, Taksande AB, Singh R.**
Normative data of upper limb nerve conduction in central India.
Indian J Physiol Pharmacol 2011; 55(3): 241-245. (PMID: 22471231)
6. **Khatoon M, Chaudhari AR, Singh R, Prajapati S.**
Antisperm antibodies in primary and secondary infertile couples of central India.
Biomedical Res 2011; 22(3): 295-97.
7. **Mitkari SP, PazarePA, Pawar SM.**
Autonomic dysfunction in patients with bronchial asthma.
Int J Biol Med Res 2011; 2(4): 852 – 855.
8. **Pawar SM, Gathe B, Jain AP, Singh R.**

Electrophysiologic study of Martin–Gruber anastomosis (MGA) in Central Indian subjects.

Int J Biol Med Res 2011; 2(4): 1165-1167.

9. **Ghate J, Chaudhari AR, Ghugare B, Singh R.**
Antioxidant role of normal pregnancy.
Biomedical Research 2011; 22(1): 49-51
10. **Ambulkar P S, Chaudhari, Ajay R Shende M R, Pal. A K–**
Cytogenetic study in Azoospermic and Oligozoospermic Infertile Men.
Perspectives in Cytology and Genetics 2011; 15: (81-86).
11. **Khaton M, Chaudhari AR, Singh R.**
Effect of antisperm antibodies in infertile couple in Central India.
Indian J Physiol Pharmacol 2012; 56(3):262-66.
12. **Pawar SM, Taksande AB, Singh R.**
Influence of body mass index on nerve conduction study.
Indian J Physiol Pharmacol 2012;56(1):88-93. [PMID -23029970]
13. **Singh R, Pawar S, Bari A, Jain J.**
Role of Sympathetic Skin Response in early diagnosis of Diabetic neuropathy - a case control study in rural population of Central India.
J DMIMSU 2012; 7(2):115-18.
14. **Shende V, Singh P, Pawar S, Udan V, Singh R.**
Effect of smoking on membrane integrity of sperms – study by Hypo-osmotic Swelling Test.
Int J Biol Med Res 2012; 3(3): 1919-1921.
15. **Pawar S, Chatur D, Udan V, Singh R.**
The usefulness of Blink Reflex in diabetic patients with or without polyneuropathy: a case-control study in Central Indian subjects.
Curr Neurobiol 2012; 3 (1): 47-50.
16. **Kothari R, Singh R, Singh S, Bokariya P.**
The potential use of pattern reversal visual evoked potential for detecting and monitoring open angle glaucoma.
Curr Neurobiol 2012; 3 (1): 39-45
17. **Kothari R, Singh R, Singh S, Bokariya P.**

Occurrence of “W” Pattern in visual evoked potentials of primary open angle glaucomatous patients.

Curr Neurobiol 2012; 3 (2): 123-128

18. **Kothari R, Singh R, Singh S, Bokariya P.**

Effect of head circumference on parameters of pattern reversal VEP in healthy adults of central India.

Nepal Med Coll J 2012; 14(2):75-79

19. **Kothari R, Bokariya P.**

A comparative study of haematological parameters in type I diabetes mellitus patients and healthy young adolescents.

Int J Biol Med Res 2012; 3(4): 2429-2432

20. **Kothari R, Singh S, Singh R, Bokariya P.**

The value of VEP in the diagnosis and post-operative monitoring of Pituitary macro-adenoma.

Int J Biol Med Res 2012; 3(4): 2542-2544

21. **Kothari R, Bokariya P, Singh S, Singh R.**

Significance of visual evoked potentials in the assessment of visual field defects in primary open-angle glaucoma: a review.

Neuroscience J 2013, Article ID 418320 [doi:10.1155/2013/418320]

22. **Kothari R, Bokariya P, Singh R, Singh S.**

Influence of refractory error on the pattern reversal VEPs of myopes and hypermetropes.

Int J Physiol Jan 2013; 1(1):57-61

23. **Kothari R, Bokariya P, Kothari V.**

A study of erythron status in pregnant & non-pregnant age matched females of Jodhpur region.

IOSR J Pharmacy Jan-Feb 2013; 3 (1): 35-39

24. **Bokariya P, Sontakke B, Waghmare JE, Tarnekar AM, Tirpude BH, Shende MR.**

The anthropometric measurements of tibia.

J Indian Acad Forensic Med 2012; 34 (4): 322- 23.

25. **Bokariya P, Gudadhe D, Kothari R, Murkey PN, Shende MR.**

Comparison of humerus and femur with respect to location and number of nutrient foramina.

Indian J Forensic Med Pathol 2012; 5(2):23-25.

26. **Bokariya P, Sontakke B, Bokariya R, Wankhede P, Shende MR.**
Estimation of tibial height from its lower and upper end by linear regression method.
J Karnataka Medico Legal Soc 2012; 21(2):14-16
27. **Singh A, Pawar S, Jain J, Singh R.**
Polysomnographic study in Diabetes Mellitus in Central Indian subjects.
JMGIMS 2012; 17(ii):17-21.
28. **Singh R, Pawar S, Bari A, Jain J.**
Role of Sympathetic Skin Response in early diagnosis of Diabetic neuropathy - a case control study in rural population of Central India.
J DMIMSU 2012; 7(2):115-18.
29. **Pahune P, Chaudhari A, Muley P.**
The total antioxidant power of semen and its correlation with the fertility potential of human male subjects.
J Clin Diag Res 2013; 7(6): 991-95.(PMID: 23905087)
30. **Kothari R, Singh R, Singh S, Bokariya P.**
Association of Pattern Reversal VEP Parameters with the Mean Defect of Humphrey Visual Field in patients of Primary Open Angle Glaucoma
*Indian J PhysiolPharmacol*2013; 57(2):123-31. [PMID: 24617161]
31. **Kothari R, Singh S, Singh R, Premendran B.**
Abnormal pattern visual evoked response in carotid-cavernous fistula- a case study of post traumatic proptosis.
*J Neurosci Rural Prac*2013; 4 (Suppl 1): S143-S145 [PMID: 24174789]
32. **Kothari R, Bokariya P, Narang P, Batra P, , Singh R, Singh S.**
Visual evoked potentials in male patients of primary open angle glaucoma and age matched control males.
Innovative J Med Health Sci 2013; 3 (3):127-130
33. **Kothari R, Singh S, Bokariya P, Singh R.**
Association of height with pattern reversal visual evoked potentials.
*Asia Pacific J Ophthalmol*2013; 2: 221-226

34. **Kothari R, Bokariya P, Singh S, Singh R.**
Comparison of visual evoked potential components in female patients of primary open angle glaucoma with age matched control females.
Delhi J Ophthalmol 2013; 24(1):28-33
35. **Kothari R, Singh S, Bokariya P, Singh R.**
Reply to the letter to the Editor regarding the article entitled “Association of height with pattern reversal visual evoked potentials”.
Asia Pacific J Ophthalmol 2013; 2 (5):350
36. **Kothari R, Bokariya P, Singh S, Narang P, Singh R.**
Normative data of peak latencies of N70, N155 waves and inter-peak latency of pattern reversal visual evoked potentials in central Indian population .
Int J Basic Appl Med Sci 2013; 3 (3):180-185
37. **Kothari R, Bokariya P, Singh S, Narang P, Singh R.**
Refractive errors and their effects on visual evoked potentials – a review.
J Clin Ophthalmol Res 2014; 2:3-6.
38. **Kothari R, Bokariya P, Singh S, Singh R, Narang P.**
Correlation of pattern reversal visual evoked potential parameters with the pattern standard deviation in primary open angle glaucoma.
Int J Ophthalmol 2014; 7(2): 326-329 (PMID: 24790879)
39. **Shende V, Waghmare S, Pawar S, Kashalikar S.**
Effect of pranayama on blood glucose level: A case control study.
Int J Res Health Sci 2013; 1(3):209-12
40. **M R Shende, B H Tirpude, P Bokariya, R Kothari.**
Significance of head length in estimation of stature in healthy individuals of central India.
Indian J Forensic Med Toxicol 2013; 7(2):128-131
41. **Sumit Kar, Ajay Krishnan, Neha Singh, Ramji Singh, Sachin Pawar.**
Nerve damage in leprosy: An electrophysiological evaluation of ulnar and median nerves in patients with clinical neural deficits: A pilot study.
Indian Dermatol 5 Online J. 2013 Apr-Jun; 4(2): 97–101.
42. **Mutreja D, Bansod NV.**

Effect of Different Musical Tempo on Cardiovascular and Respiratory Parameters in Young Adults during Resting State.
Australasian Medical Journal 2013; 6(4): 255

43. **Batra P, Gupta D, Batra R, Kothari R, Deshmukh PR.**
Mannheim Peritonitis Index as an evaluative tool in predicting mortality in patients of Perforation Peritonitis.
CIB Tech Journal of Surgery Sept-Dec 2013; 2(3):30-36
44. **Muley PA, Muley P, Chaudhari AR.**
Significance of subclinical varicocele in male infertility.
International Journal of Research in Health Sciences Oct–Dec 2013; 1(3):156-157
45. **Pawar S, Kashikar A, Shende V, Waghmare S.**
The study of Diagnostic Efficacy of Nerve Conduction Study Parameters in Cervical Radiculopathy.
J Clin Diag Res 2013, 7(12): 2080-2082.
46. **Tyagi P, Singh AK, Tomar S, Kumar N, Singh NK, Singh R, Chaudhari AR.**
Surrogacy- does it affect physiology of bonding between surrogate mother- fetus and biological mother- new born?
Int J Health Sci Res 2015; 5(3):321-323 [Impact factor: 3.5]
47. **Kothari R, Singh S, Singh S, Shukla AK, Bokariya P.**
Influence of visual angle on pattern reversal visual evoked potentials.
Oman J Ophthalmol 2014; 7(3):120-5. [PMID: 25378875]
48. **Singh AK, Tomar S, Chaudhari AR, Singh R, Verma N.**
Type 2 diabetes mellitus affect male fertility potential.
Indian J Physiol Pharmacol 2014; 58(4): 403-406
49. **Agrawal S, Bansod N.**
Prevalence of colour blindness in school children.
Int J Sci Res 2014; 3(4); 175-77.
50. **Jadhav S, Bansod N, Diwanji S.**
Study of auditory reaction time in premenstrual phase and post menstrual phase.
J Med Sci Clin Res 2014; 2(5):968-72.[Impact Factor-1.1147]

51. **Jadhav S, Bansod N.**
Cognitive function and menstrual cycle.
Int J Sci Res 2014; 3(6); 343-44
52. **Gupta R, Chaudhari A, Bansod N.**
A study of physical fitness of trained individuals of an urban population in Pune.
Saudi J Sports Medicine 2014; 14(2):103 – 08
53. **Pawar S, Udan V, Jain J, Shende V, Singh R.**
Usefulness of blink reflex in early diagnosis of central nervous system dysfunction in hypothyroidism: A case control study.
Indian J Physiol Pharmacol 2014; 58(1): 56–60 [PMID: 25464678]
54. **Pawar S, Shende V, Waghmare S, Jivtode MT.**
Anthropometric parameters as predictors of peak expiratory flow rate in central Indian children 5-15 years.
J Diagnostics 2014, 1(1): 6-12
55. **Singh AK, Singh R, Chaudhari AR, Verma N, Singh B.**
Seminal plasma oxidative stress affects sperm morphology.
Ind J Clin Anat Physiol 2015; 2(2):92 – 96.
56. **Ambulkar PS, Chaudhari AR, Waghmare J, Tarnekar AM, Pal AK.**
Prevalence of Y chromosome microdeletion in Idiopathic Azoospermic cases in central Indian men.
J Clin Diag Res 2015; 9(9): 1-4.
57. **Ambulkar PS, Chaudhari AR, Pal AK.**
Association of large scale 4977 – bp “common” deletions in sperm mitochondrial DNA with Asthenozoospermia and Oligoasthenoteratozoospermia.
J Hum Reprod Sci 2016; 9(1): 35 -40.
58. **Kothari R, Bokariya P, Singh R, Singh R.**
A comprehensive Review on methodologies employed for Visual Evoked Potentials.
Scientifica(Cairo) 2016; 2016: 9852194 (PMID: 27034907)

59. **Bokariya P, Kothari R, Gujar VK, Shende MR.**
Teratogenic Effects of Insulin: An experimental study on developing chick embryo.
Indian J Pharmacol 2015; 47(2): 212-214 (PMID: 25878385)
60. **Mahindrakar B, Jain J, Singh R, Kothari R, Vyas V.**
Cardiac hemodynamic profile and its correlates by Impedance plethysmography in normal individuals of Central India.
Indian J Physiol Pharmacol 2015; 59(1):30-33 [PMID: 26571981]
61. **Bhagde P, Pajai S, Chaudhari AR.**
Gender disparity in oxidative stress in healthy preterm neonates delivered vaginally.
Indian J Basic Appl Med Res 2015; 4(4): 300-306
62. **Shende VS, Sharma RD, Pawar SM, Waghmare SN.**
A study of median nerve entrapment neuropathy at wrist in uremic patients.
Indian J Nephrol 2015; 25(4): 229–233 [PMID: 26199474]
63. **Waghmare SN, Pajai S, Chaudhari AR, Pawar S, Shende V.**
Motor neuropathy in hypothyroidism: A case-control study.
The Health Agenda 2015; 3(3): 77-81.
64. **Pawar S, Shende V, Singh R, Chaudhari AR, Pawar J.**
The diagnostic utility of H-reflex latency in lumbosacral radiculopathy.
European J Biomedical and Pharmaceutical Sciences 2016; 3(1):376-9.
65. **Shende V, Pawar S, Jiwane T, Chaudhari AR, Shende A.**
Study of motor nerve conduction parameters in Guillain Barre syndrome patients of central India.
International Journal of Contemporary Medical Research 2016; 3(3):859-861.
66. **Deulkar S, Gathe S, Borate S, Shende V.**
Morphometric data of nose in western Maharashtra population: a cross sectional study.
International Journal of Contemporary Medical Research 2015; 2(3):694-696.
67. **Gupta R, Chaudhari A, Gupta RK, Bansod N.**

Effect of exercise training on correlation of VO2 max and anthropometric parameters, physical fitness index in young adult Indian males. ;
Saudi Journal of Sports Medicine 2015; 5(2): 153-159

68. Gosewade N, Shende V, Saraf C, Drugkar A.

Effect of pranayama and eye exercises on eye to hand coordination: study by finger dexterity test.
Journal of Evidence Based Medicine and Healthcare 2015; 2(42): 7400-7406

69. Deulkar S, Shende V, Gathe S.

Assessment of nose width in western Maharashtra population: A cross sectional study.
International Journal of Research in Health Sciences 2015; 3(4): 471-473

ANNEXURE IV A CONFERENCES ATTENDED

Singh R, Pawar S, Shende V, Kothari R, Udan V.

57th Conference of APPICON 2011
AIIMS, New Delhi, 15-17 Dec 2011.

Pawar S.

CME 'Pain Management – An Arena to Explore'
Department of Anaesthesiology, MGIMS, Sevagram, 14 Jul 2013

Kothari R.

National Conference on Health Professions Education (NCHPE 2014)
MGIMS, Sevagram, 26 Sep 2014

ANNEXURE IV C WORKSHOPS ATTENDED

2011-12

Pawar S, Gathe, Udan V.

CME on Sleep and Sleep disorders
Armed Forces Medical College, Pune, 4- 5 Jun 2011
Pawar S, Shende V.
Workshop on Research Methodology
MUHS, Nashik, 18-23 Jul 2011

Singh R.

Executive body meeting of Association of Physiologists & Pharmacologists of India

AIIMS, New Delhi, Dec 2011 & Feb 2012

Singh R, Kothari R, Pawar S, Shende V, Udan V.

DST sponsored young scientist training workshop on tools and techniques in physiological and pharmacological sciences

AIIMS, New Delhi, 14 Dec 2011

Singh R, Pajai S.

Maharashtra State level Workshop on Research in Medical education Technology
N K P Salve Inst of Medical Sciences & Research Centre, Nagpur, 13 Jan 2012

2012 -13

Pajai S

National level workshop on intellectual property rights

BapuraoDeshmukh Engineering college, Sevagram, 29 Oct 2012

Bansod N

Research Methodology Workshop

PanjabraoDeshmukh Memorial Medical College, Amravati, 10-12 Aug 2012

Bansod N

Hands on Physiology Workshop for Researchers and Educators

Dept of Physiology, Indira Gandhi Government Medical College, Nagpur, 6 Sept 2012

Bansod N

15th Workshop on Biomedical Informatics

MGIMS, Sevagram, 2 Oct 2012

Kothari R

Workshop on "MedEqSafe-INDIA 2013"

MGIMS, Sevagram, 22 Jan 2013

Kothari R

CME on "A Review of Clinical Anatomy of Kidney in Context of Present Day Needs"

Department of Anatomy, MGIMS, Sevagram, 24 Jan 2013

Pawar S, Shende V, Waghmare S, Udan V

ICMR sponsored National Workshop-cum-Seminar on Research Methodology and Publications

JIPMER, Puducherry, 23-25 Aug 2012

2014- 15

Kothari R.

Pre-Conference Workshop on “Appraisal of faculty performance: How can we do it?” NCHPE 2014, MGIMS, Sevagram, 25 Sep 2014

Kothari R.

Pre-conference Workshop on Sleep Medicine: A Clinical Career for Physiologists
60th Annual Conference of Association of Physiologists & Pharmacologists of India

(APPICON 2014), Dept. of Physiology, SCB Medical College, Cuttack, Odisha, 19 Nov 2014

Pawar S, Shende V.

Workshop on Clinical and Experimental Neurophysiology

JIPMER, Puducherry, 15 Dec 2014

Pawar S.

CME-cum-Seminar on Preparation of manuscript and publication of research paper in Indexed Journal JIPMER, Puducherry, 15 Dec 2014

Pawar S.

Meeting regarding RGJAY

RGJAY Head Office, Mumbai, 14 Oct 2014

Bansod N.

3T bioethics Training Program for Medical Teachers of Medical Education Program By Nodal Centre UNESCO Chair in Bioethics Haifa Maharashtra University of Health Sciences, Nashik, India 25 – 28 May 2015

ANNEXURE IV D MEU WORKSHOPS

Ms Bharati Mahindrakar

Basic Workshop in Medical Education Technology: 28-30 Apr 2011

Dr V Shende

Basic Workshop on Medical Education Technology: 16-18 Jan 2012

Dr NV Bansod

Basic course Workshop in Medical Education Technologies by nodal center,
Jawaharlal Nehru Medical College , Sawangi (Meghe) Wardha Maharashtra, 23 –
25 Nov 2011

Dr. Shobha Pajai

Basic Course Workshop in Medical Education Technology, 20-22 Jan 2015

ANNEXURE IV E RESEARCH METHODOLOGY WORKSHOPS

2012 -13

Dr AR Chaudhari

Basic Workshop in Research Methodology for faculty
7-12 Jan 2013

2014 -15

Dr. Ruchi Kothari

Research Methodology Workshop for Faculty Members
Date : 10-15 Nov 2014

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

2011

Theme :Workshop on ‘Communication skills, aptitude and professional behavior for first MBBS students’

Organizers :Faculty: Depts of Biochemistry, Anatomy,Physiology

Date : 9 Dec 2011

No. of Delegates : 65 students of 1st MBBS

Key Topics: Importance of communication, Barriers of communication, Written communication skills, Verbal and non-verbal communication skills and Presentations,Interpersonal relations; Role of soft skills and etiquettes in communication

Resource persons: Dr R Singh, Dr MVR Reddy, Dr K Goswami, Dr A Tarnekar, Dr J Waghmare, Dr S Pawar

2012

Theme :Workshop on ‘Communication skills, aptitude and professional behavior for first MBBS students’

Coordinator :Dr K Goswami

Date : 28 Sep 2012

No. of Delegates : 100 students of 1st MBBS

Key Topics : Importance of communication; barriers of communication; writingcommunication skills; Verbal and non-verbal communication skills and presentations;Interpersonal relations; role of soft skills and etiquettes in communication

Key Persons :Dr MVR Reddy, Dr MR Shende, Dr AR Chaudhari, Dr K Goswami,

Dr A Tarnekar, Dr JE Waghmare, Dr S Pawar, Dr V Shende

2013

Theme : Workshop on Communication Skills, Aptitude and Professional behaviour for I MBBS Medical Students

Coordinator :DrKalyanGoswami

Date : 26 July 2013

No. of delegates: 100 students of I MBBS

Key topics: Importance of communication, barriers of communication, writingcommunication skills, verbal and non-verbal communication skills and presentations, interpersonalrelations, role of soft skills and etiquettes in communication

Key persons :Dr MVR Reddy, Dr MR Shende, Dr AR Chaudhari, Dr K Goswami,

Dr AM Tarnekar, Dr JE Waghmare, Dr S Pawar, Dr V Shende

2014

Theme :Workshop on Communication skills, aptitude and professional behaviour for first MBBS students'

Date : 11 Aug 2014

Coordinator :Dr K Goswami

Delegates : 65 students of I MBBS (2014 Batch)

Resource persons : Dr MVR Reddy, Dr MR Shende, Dr AR Chaudhari, Dr K Goswami,Dr AM Tarnekar, Dr JE Waghmare, Dr S Pawar, Dr V Shende

Presentations in MGIMS Academy of Medical Sciences

2011

Brainstem Auditory evoked Potential, Visual Evoked Potential & Reproductive Biology Unit

Dr Pranjali Pahune

23 Nov 2011

2012

Nerve Conduction Studies & Electromyography

29 Feb 2012

Dr Dipali Chatur

2013

Nerve conduction study and electromyography – a diagnostic approach

Dr Priya Bagde

21 Aug 2013

2015

Visual Evoked Potential: An Imperative Neurophysiological Tool

Dr. Ruchi Kothari

7 Oct 2015

ANNEXURE VII: PRESENTATIONS

2011-12

Singh R, Pawar S, Jain J.

Sympathetic skin response in early diagnosis of diabetic neuropathy.

57th Annual Conference of Physiologists & Pharmacologists of India 'APPICON 2011' AIIMS, New Delhi, 15-17 Dec 2011

Kothari R, Singh S, Singh R, Bokariya P.

Influence of visual angle on pattern reversal visual evoked potentials.

57th Annual Conference of Physiologists & Pharmacologists of India 'APPICON 2011' AIIMS, New Delhi, 15-17 Dec 2011

Pawar S, Chatur D, Singh R.

The study of blink reflex alteration in diabetic patient with or without polyneuropathy compared to normal individuals. 57th Annual Conference of Physiologists & Pharmacologists of India 'APPICON 2011'

AIIMS, New Delhi, 15-17 Dec 2011

Shende V, Singh R.

Electrophysiological evaluation of patients undergoing haemodialysis.

57th Annual Conference of Physiologists & Pharmacologists of India 'APPICON 2011' AIIMS, New Delhi, 15-17 Dec 2011

Udan V, Pawar S, Jain J, Singh R.

Study of blink reflex alteration in patients of hypothyroidism.

57th Annual Conference of Physiologists & Pharmacologists of India 'APPICON 2011' AIIMS, New Delhi, 15-17 Dec 2011

2012 -13

Bagde P.

Study of oxidative stress and status of anti-oxidants in plasma of cord blood of newborns with gestational ages between 34-40 weeks delivered vaginally.

National Conference on "Mind Body Medicine"

Department of Physiology, JNMC, Sawangi, Wardha, 22 Dec 2012

Balgote S.

Role of transrectal USG in assessing azoospermic infertile males.

National Conference on "Mind Body Medicine"

Department of Physiology, JNMC, Sawangi, Wardha, 22 Dec 2012

2013 -14

Kothari R.

P100 attributes of pattern reversal visual evoked potentials in patients of Primary Open Angle Glaucoma. (First Prize in Poster Competition)

CME on Neuro-ophthalmology. Department of Ophthalmology, DattaMeghe Institute of Medical Sciences, Sawangi, Meghe, 6 Oct 2013.

Kothari R.

Utility of visual evoked potential in the diagnosis and post-operative monitoring of pituitary macro-adenoma.

CME on Neuro-ophthalmology Department of Ophthalmology, DattaMeghe Institute of Medical Sciences, Sawangi, Meghe, 6 Oct 2013

Pawar S.

The study of diagnostic efficacy of F-wave in cervical radiculopathy.

APPICON-2013, NIMHANS, Bengaluru, 28-30 Nov 2013

Shende V.

Electrophysiological evaluation of median nerve entrapment at wrist in uraemia.

APPICON-2013, NIMHANS, Bengaluru, 28-30 Nov 2013

Kothari R.

Utility of visual evoked potential in the diagnosis and post-operative monitoring of pituitary macro-adenoma. XXVth Annual National Conference of Physiological Society of India "PHYSICON 2013"

Department of Physiology, Kamineni Institute of Medical Sciences,
Sreepuram, Narketpally, Nalgonda, Andhra Pradesh, 9 Dec 2013

Waghmare S.

Study of Nerve Conduction parameters in patients of hypothyroidism:
A case control study. APPICON-2013, NIMHANS, Bengaluru, 28-30 Nov 2013

2014 -15

Kothari R.

P100 attributes of pattern reversal visual evoked potentials in patients of primary open angle glaucoma. 60th Annual Conference of Association of Physiologists & Pharmacologists of India (APPICON 2014), Dept. of Physiology, SCB Medical College, Cuttack, 20 - 22 Nov 2014

Kachhawa K, Kothari R.

Neurovisual anomalies and alterations of visually evoked responses in diabetes:
Looking beyond horizon.

AMBI-BIOCON 2015, "Moving from Basics to Advanced Biochemistry"

Dept. of Biochemistry, LokmanyaTilak Municipal Medical College & General Hospital, Sion, Mumbai, 27 Feb 2015

2015 -16

Kothari R.

Impact of spectral severity of alcoholism on visual evoked potentials: a neuropsychiatric perspective.

International conference of World Psychiatric Association Regional Congress
Kochi, Kerala, 25-27 Sep 2015

Kothari R.

Semen Analysis. (*Resource person*)

National Continuation of Medical Education

Workshop on "Infertility –Recent Updates"

Dept. of Obstetrics & Gynaecology, MGIMS, Sevagram, 31 Jan 2016

ANNEXURE VIII: MD/ MS THESES

2011

Akulwar A; Guide: Dr Singh R

Electrophysiological evaluation of carpal tunnel syndrome in population of subjects in diabetics

Gathe B; Guide: Dr Singh R

Effect of noise pollution on hearing in auto-rickshaw drivers- a BAEP study

Chatur D; Guide: Dr Chaudhari AR

The study of production of reactive oxygen species by seminal leucocytes and spermatozoa and its relationship with seminogram parameters in human male infertile subjects

2012

Pahune P; Guide: Dr Chaudhari AR

The study of total anti oxidative power and oxidative stress in seminal plasma of human male subjects and its relation to semen quality

Udan V; Guide: Dr Singh R

Blink reflex alteration in patients of hypothyroidism and diabetes mellitus type-2

2013

Baglote S; Guide: Dr Chaudhari AR

A comparative study on some etiological factors in azoospermic infertile males

Bhagde P; Guide: Dr Pajai S

Study of oxidative stress and antioxidants in plasma of cord blood of preterm and term babies

2014

Kothari R; Guide: Dr Chaudhari AR

A study of some biochemical markers of accessory sex gland function in infertile male subjects and their relation with seminogram parameters

Waghmare S; Guide: Dr Pajai S

Study of nerve conduction parameters in patients of hypothyroidism- a case control study

DEPARTMENT OF BIOCHEMISTRY

1. Name of the Department : Department of Biochemistry
2. Year of establishment: 1969
3. Is the Department part of a college/Faculty of the university?:
Yes. Part of the college (MGIMS)
4. Names of programs offered (UG, PG, Pharm. D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) :
UG (M.B.B.S), PG (M.D. - Biochemistry), PhD. (Biochemistry)
5. Interdisciplinary programs and departments involved
 - UG (M.B.B.S): Bioethics and communication skill workshops were regularly organized for first MBBS students by Departments of Anatomy, Physiology and Biochemistry.
 - PG (M.D. - Biochemistry): The PG students are posted for one month in the Pathology OPD, Clinical Pathology, Hematology and Blood Bank sections, one month in the Microbiology and three months in the Medicine Departments according to University guidelines
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programs discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: MBBS (Annual, internal assessment exams), MD (At the end of three years)

9. Participation of the department in the courses offered by other departments:
 - a) Department faculty are involved in teaching BSc (Basic) Nursing and BSc (post basic) students.
 - b) PGs of other Departments of Physiology (for 15 days), Pharmacology (10 days), Forensic Medicine (15 days) and Pathology (one month) are posted in our Department for training as per the University guidelines.
 - c) The M.Sc. / Ph.D. students of other outside institutes are provided training in research methods and also are permitted for collaborative research experiments to make use of the available facilities.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor/Reader	2	1	1
Assistant Professor	3	3	2
Lecturer	Nil	Nil	Nil
Tutor / Clinical Instructor	6	5	5
Senior Resident	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. M.V.R. Reddy	M.Sc., Ph.D.	Director-Professor and Head	Medical Biochemistry	35 Years
Dr. Satish Kumar	MBBS,MD	Professor	Medical Biochemistry	22 Years
Dr. Kalyan Goswami	MBBS,MD	Professor	Medical Biochemistry	17 Years
Dr.KanchanMohod	MBBS, MD	Associate Professor	Medical Biochemistry	11 Years
Dr.PranitaKamble	MBBS, MD	Assistant Professor	Medical Biochemistry	9 Years
Dr.AshviniKamble	MBBS, MD	Assistant Professor	Medical Biochemistry	6 Years
Dr. Jayshree Jankar	M.B.B.B	Tutor		2 Years
Dr. TruptiLende	MBBS	Tutor		1 Years
Dr. Suman Singh	MBBS	Tutor		5 Months
Dr. Param Kar	MBBS	Tutor		1Year
Dr. Prashanth Chandankhede	MBBS	Tutor		1Year

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Dr. B.C. Harinath, Honorary Professor & Director JBTDRC

13. Percentage of classes taken by temporary faculty – program-wise information :

There are no temporary faculty.

14. Program-wise Student Teacher Ratio

: For undergraduates 10:1 and for post graduates 3:2

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	No. of sanctioned	No. filled	Actual
Technical staff	7	7	7
Administrative staff	1	1	1
Research staff	9	9	9

16. Research thrust areas as recognized by major funding agencies

I. Parasitic infection (Helminths):

- Mechanisms of immunomodulation by helminths and their applications in autoimmunity
- Biological insight into proliferation & differentiation process of helminths and identification of novel anti-helminth drug targets using filariasis as a model
- Immunoscreening and surveillance of filarial endemic areas and development & validation of diagnostic, monitoring and prophylactic tools

II. Mycobacterial infection (Tuberculosis):

- Immunodiagnosis and drug target research
- In silico identification of molecular markers of drug resistance in tuberculosis
- Chemokines & Cytokines in tuberculosis
- Anti-Mycobacterial activity of selected marine algal extracts
- Biomarkers for detection of tuberculosis

III. Autoimmune disorders:

- Identification and evaluation of immunomodulation and therapeutics in autoimmune disorders, type1 Diabetes, Ulcerative colitis and Arthritis.

IV. Viral infection (HPV) and Cancer:

- Unraveling the molecular complexities of HPV and apoptosis
- Screening of novel pathogenic genetic variants in BRCA1 gene in central India
- Urinary proteomics and metabolomics in bladder cancer

V. Clinical Chemistry

- Determinants of cardiac & metabolic disorders and their diagnostic & prognostic implications
- Analysis of ADA & its isoenzymes (ADA1 & ADA2) and 5' Nucleotidase in CA breast
- Role of new predictive markers of CHD in DM and its association with established markers of metabolic syndrome

GRANTING AGENCIES / COLLABORATORS

- Department of Biotechnology (DBT), Govt. of India
- Department of Science and Technology (DST), Govt. of India
- Indian Council of Medical Research (ICMR)
- Council of Scientific & Industrial Research (CSIR)
- University Grants Commission (UGC)
- CSIR-Central Salt & Marine Chemicals Research Institute, Bhavnagar
- Maharashtra University of Health Sciences (MUHS), Nashik

17. Number of faculty with ongoing projects from

- a) National b) International funding agencies and c) Total grants received.
Give the names of the funding agencies, project title and grants received project-wise

a) National

S.	PI/Co-PIs	Title of Project	Funding agency	Total grant received (in Lakh)	Duration
1	Dr. MVR Reddy, Dr. K. Goswami	Maintenance of 'Repository for Filarial Parasites and Reagents'	DBT	91.23	June 2012 - May 2017
2	Dr. MVR Reddy, Dr. K. Goswami, Dr. MR Shende & Dr. A Tarnekar	Evaluation of immunomodulatory effect and therapeutical potential of filarial proteins in experimental ulcerative colitis	DST	32.31	July 2013-16

3	Dr. Pranita Waghmare, Dr. Satish Kumar, Dr. Anshu	Clinical usefulness of exploring immunological host in tubercular infection	MUHS LTRG	0.50	2015-16
4	Dr. K. Goswami (Guide to Sahitya Rao)	Study for exploration of efficacy of piperidine derivatives against <i>Brugia malayi</i> by in vitro and bioinformatics study as a valid antifilarial candidate.	ICMR - STS	0.1	2015-2016
5	Dr. Pranita Waghmare (Guide to Rutuja Darokar)	In-vitro Axenic culture of H37Ra mycobacterium tubercular bacilli with MTT assay for Screening of Anti-tubercular potential of marine algal extracts.	ICMR- STS	0.1	2015-2016

b) International funding agencies: Nil

c) **Total grants received: Rs. 123.04 lakh.**

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration:

S.No	Project title	Faculty from MGIMS	Investigator & institute in collaboration	Funding agency & Amount sanctioned
1.	National network for genotyping of human lymphatic filarial parasite <i>W. bancrofti</i> from different endemic areas	Dr MVR Reddy	Dr. S.L. Hoti Regional medical research centre, Belagavi	ICMR 5.3 Lakhs

b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. N.	PI/Co-PIs	Title of Project	Funding Agency	Total grant received (in Lakh)	YEAR
1.	Dr. MVR Reddy	Funds for Improvement of S & T Infrastructure in Universities and Higher Educational Institutions (FIST) programme	DST	27.96	April 2005 – March 2010
2.	Dr. MVR Reddy	Funds for Improvement of S & T Infrastructure in Universities and Higher Educational Institutions (FIST) programme	DST	46.48	April 2011– March 2015
3.	Dr. MVR Reddy	Production of Diagnostics & Development of Prophylactics for neglected infectious Diseases with Filariasis as a model	DBT	20.69	April 2007- March 2010
4.	Dr. MVR Reddy	Establishment of Repository of Filarial Parasites and Reagents (BT/PR9092/INF/22/1/2007)	DBT	63.99	Sept 2007– Sept 2012
5.	Dr. MVR Reddy	National network for genotyping of human lymphatic filarial parasite Wuchereria bancrofti from different endemic areas	ICMR	5.04	2011- 2014
6.	Dr. Kanchan Mohod	Evaluation of diagnostic potential of adenosine deaminase and its isoenzyme activity in pulmonary, extra pulmonary tuberculosis and HIV –Tb co-infection	UGC minor research project	1.07	2013-14
7.	Dr . Kumud Harley	Assessment of serum adiponectin levels and its association with lipid profile parameters in patients of acute myocardial infarction	UGC minor research project	1.7 lakhs	2013-15

8.	Dr Kanchan & Dr.Sonia Jain	Role of Gamma Glutamyl transferase (GGT) Apolipoproteins and C-Reactive proteinal predictive markers at Metabolic syndrome psoriasis patients.	Research Project	0.25 lakhs	2013-14
9.	Dr. BC Harinath & Dr. Pranita Waghmare	Anti-tubercular bioassays of plant and marine algal extracts	Central Salt & Marine Chemicals Research Institute, Bhavnagar	6.04 lakhs	2013-15
Completed ICMR STS projects					
Sl. no.	Name of Guide	Research topic	Name of the student	Year	
01	Dr. K. Goswami	Analysis of Immunomodulatory effect & possible prophylactic and therapeutic potential of filarial abundant larval transcript – 2 (ALT-2) in mice with induced type 1 Diabetes.	Mr. Sridhar Reddy	2011- 2012	
02	Dr. K. Goswami	Retrospective Evaluation of Serum markers of liver function in diagnosis liver diseases	Ms. Aditi Kashikar	2011-2012	

20. Research facility / Center with

- **State recognition:**

Ñ Dept. is recognized as center for Ph.D. by MUHS, Nashik and RTM Nagpur University, Nagpur

- **National recognition:**

Ñ Filarial Repository facility is recognized as a national level Biotech

facility by Department of Biotechnology, Ministry of Science & Technology, Govt. of India

- Ñ Recognized for DST- Fund for Improvement in S & T Infrastructure support by Department of Science & Technology, Ministry of Science & technology, Govt. of India

- **International recognition:**

- Ñ Dept. was recognized by US Fulbright-Nehru Academic and Professional Research Programme to India and we have hosted one scientist-Fellow Dr. K. Ramaswamy from University of Illinois, Rockford, USA.

- Ñ The Departmental laboratories are recognized along with Dept. of Pathology and Microbiology by Ministry of Health and Family Welfare, Govt. of India for implementation of 'Labs for Life', a collaborative project with Centre for Disease Control (CDC), Atlanta, USA to strengthen and manpower for the upgradation of laboratories

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

- * Number of papers published in peer reviewed journals (national / international): **50 publications** (Please see Annexure 1A for the list)
- * Monographs: 1 (Please see Annexure 1D for the details)
- * Chapters in Books:
Chapter entitled 'Cell interaction in specific immune response' by K. N. Krithika, M. V. R. Reddy & Mythily Srinivasan in the Book 'Immunology: Basic Concepts' Edited by B. K. Gupta and Alpana Sharma, Peepee Publishers and Distributors (P) Ltd. Delhi. 2012 Ed
- * Books edited:
Course manual for the training course on laboratory research methods
- * Books with ISBN with details of publishers
- * Number listed in International Database (For *e.g.* Web of Science, Scopus,
- * Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Citation Index: Range: 1-28 and average- 5.0
- * SNIP
- * SJR
- * Impact Factor: range: 0.196- 3.71 and average-1.20
- * h5-index: 7 (h-index of the Department publications during the past 5 years i.e., 2011 to 2016)

- 23. Details of patents and income generated :**
- i. A process of preparation of M.tb. ES-31 antigen of diagnostic use (Indian Patent No: 184510 - June 2, 2001)**
 - ii. A process for the preparation of B.malayi mf ES-22 glycoprotein” (Indian Patent No: 224560 -October 17, 2008)**

24. Areas of consultancy and income generated:Institute policy does not permit us to accept financial incentives for providing consultancy.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Please see Annexure II

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) Any other (specify):

Please see Annexure III

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Please see Annexure IV

28. Student projects

- **percentage of post graduate students who have taken upin-house projects including inter-departmental projects: 100% PGs have in-house research projects as their dissertation work Annexure VIII**
- Undergraduate students are encouraged to select topics for ICMR STS
- Four UG students have completed ICMR STS research successfully from Biochemistry dept.

- **percentage of students doing projects in collaboration with other universities / industry / institute:**

Two Ph.D. students as part of their thesis projects are collaborating with 1) Department of Chemistry, GS College, Khamgaon, Maharashtra and 2) Department of Biochemistry, Institute of Medicinal Science, BHU, Varanasi.

29. Awards / recognitions received at the national and international level by Faculty, Doctoral fellow, Students:

Please see Annexure V

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Please see Annexure VI

31. Code of ethics for research followed by the departments:

: Institutional ethics committee (IEC) as per ICMR guidelines and Institutional animal ethics committee (IAEC) standards as per the CPCSEA guidelines are followed.

32. Student profile program-wise:

Name of the Programme (Refer to Question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES					
(I MBBS) 2015 Batch	12871	46%	54%	97.22%	100%
(I MBBS) 2014 Batch	15555	48%	52%	94.33%	95.65%
(I MBBS) 2013 Batch	8119	53%	47%	80.85%	96.22%
(I MBBS) 2012 Batch	16003	52%	48%	96.97%	100%
(I MBBS) 2011 Batch	12518	51%	49%	100%	100%
POSTGRADUATES					
2015	247	100%		100%	
2014	265	50%	50%	100%	
2013	191		100%		100%
2012	149	100%		50%	50%
2011	205	100%		100%	

33. Diversity of students:

MBBS Programme: MBBS students are selected by common premedical examination from all over country.

Post graduated M.D. students:

Name of the program (refer to question no. 4)	% of student from the same university	% of student from other universities within the state	% of student from universities outside the state	% of student from other countries
MD Biochemistry 2011	100%	-	-	-
MD Biochemistry 2012	100%	-	-	-
MD Biochemistry 2013	100% (only one was admitted)			
MD Biochemistry 2014	50%	-	50%	-
MD Biochemistry 2015	-	50%	50%	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. NA

Type of examination	No. of student	Category
NET(Lectureship)	Nil	

35. Student progression

Student progression	Percentage against enrolled
UG to PG	----
PG to M.Phil, DM / M Ch / DNB	Done through national selection committee
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Nil
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	(3/6) 50%
from other universities within the State	(0/6)
from universities from other States	(3/6) 50 %
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library:
Yes, it has 132 books in departmental library and 877 Biochemistry books in central library.
The Central Library also subscribes 6 Indian journals and 1 international journal in Biochemistry.
- b) Internet facilities for staff and students:
Yes, both cable and free wi-fi connection facilities available for all the faculties and student from the HIS
- c) Total number of class rooms: One
- d) Class rooms with ICT facility and 'smart' class rooms: All lecture halls are Wi-Fi enabled. Fitted with LCD projector etc.
- e) e) Students' laboratories: One (150 Sq. m)
- f) f) Research laboratories: Two (80 Sq. m)

39. List of doctoral, post-doctoral students and Research Associates**a) From the host institution/university**

Nil

b) From other institutions/universities

- a. Ms. Priyanka Bhoj
- b. Ms. Mohini Nakhale
- c. Mr. NamdevTogre
- d. Mr.ArunRathod
- e. Mr.Jayesh Unekar
- f. Ms. Dhanashri Bodade

40. Number of post graduate students getting financial assistance from the university.:

All 4 M.D. students are supported by the institute

All Ph.D. students have Fellowships from the ongoing Projects in the institute.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. : Not applicable

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation?

If yes, how does the department utilize the feedback?

1. Departmental Faculty meetings are held regularly to discuss coverage of the course, assessment related issues and decisions are taken for betterment any changes based on the feedback and inputs received from faculty.
2. The faculty of the Department also obtains student feedback after each formative assessment.
3. Curriculum committee also collects feedback from the students
4. At College Council all HODS discuss the academic related problems regularly.
5. Internal Quality Assurance Committee also obtains feedback from all MBBS students and tries to improve the teaching learning to communicate to university.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

At the end of unit/system taught by each teacher, special classes are conducted to interact with the students on the course related issues and feedback is taken from the students in order to improvise and overcome limitations, if any.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes. Feedback is collected at institutional level.

43. List the distinguished alumni of the department (maximum 10)

1. Prof. P.Kaliraj

Emeritus Professor of Centre for Biotechnology,
Former Vice-Chancellor of Anna University
Alagappa College of Technology,
Anna University,
Chennai

2. Dr. GBKS Prasad

Professor
Department of Biochemistry
Jiwaji University, Gwalior

- 3. Dr. MVR Reddy**
Director-Professor and Head, Department of Biochemistry
MGIMS, Sevagram
- 4. Dr. SatishKumar**
Professor, Department of Biochemistry
MGIMS, Sevagram
- 5. Dr. Chentha Vasu**
Director of Translational and Transplantation Immunology
Department of Surgery
Hollings Cancer Center, HO-612A
College of Medicine, USA
- 6. Dr. Chandan Charborthy**
Professor & Head,
Department of Biochemistry
AMC MET Medical College,
Maninagar, Ahmadabad
- 7. Dr. J. Pramanik**
Head of Biochemistry
&Director of International Relations
Allianze College of Medical Sciences
Kepala Batas, Penang
Malaysia
- 8. Kumudini Parkhe**
Professor
Sinhgad dental college, Pune
- 9. Dr. Soma Gupta**
Professor, Department of Biochemistry,
College of medicine &Sagore Dutta Hospital,
North 24 Parganas, Kolkata
- 10. Dr. AnandharamanVeerapathran**
Research Scientist Experimental therapeutics Immunology
H. Lee Moffitt Cancer Center & Research Institute (Tampa, FL), USA

- 44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts**
- **Regular Seminars are being presented by all UG students under the ‘Academy of Basic Medical Sciences’.**
All undergraduate students of first MBBS present Seminars on selected topics in the preliminary round. Best selected students appear in semifinal and followed by Final rounds. The final is organized in collaboration with the MGIMS Academy of Medical Sciences.
 - **Workshops on communication skills are conducted for First MBBS students once in every year.**
 - **Workshop followed by a series of Lectures on Bioethics is taken for first MBBS, which is also the requirement of MUHS, Nashik.**
 - **Intra-college and zonal level Inter-college Quiz competition**
The first MBBS students participate every year the intra-college and inter-college zonal level (Vidarbha region) quiz programmes in Biochemistry under aegis of Association of Clinical Biochemists of India.
- 45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**
Teaching-learning is through interactive lectures, case based learning, tutorials, small group teaching, student seminars, and horizontal integrated teaching of selected topics of the three preclinical subjects by interactive lecture series.
Slow learners are counseled at the mentors meetings and special classes are also conducted to revise the topics.
- 46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**
Through formative assessment and post-test feed-back sessions. Also by the University results, feedbacks received from faculties, students and from the discussion held in Curriculum committee meetings.
- 47. Highlight the participation of students and faculty in extension activities.**
The staff of the Department participates in diagnostic camps for lab investigations conducted by the institute.
- 48. Give details of “beyond syllabus scholarly activities” of the department.**
Workshops are organized on communication skills, Bioethics and How to

study (study skills improvement) workshops and regular mentoring of students.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes. Accredited by MUHS, MCI and MBBS

LOP date for MBBS vide letter dated 22/4/1976

MD Biochemistry Recognition by MCI vide letter No. MCI-81(22)/97-Med./ dated 23/10/1997

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- i. Diagnostic kit developed for the detection of lymphatic filariasis
- ii. Identification of filarial vaccine and drug candidates
- iii. Novel therapeutic molecule identification against Autoimmune disorders, Type1 Diabetes Ulcerative Colitis and Rheumatoid Arthritis.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Major strengths of the department:

- i. Structured and effective teaching programme for UG, PG and PhD students by both conventional interactive lectures as well as various non-conventional teaching modes like group tutorials, problem solving exercise, role-play for UG students and journal club, seminars, special theory and practical interactive tutorials for PGs and PhDs.
- ii. Laboratory information system linked sophisticated automated lab for a wide range of parameters through continuous quality monitored 24x7 clinical investigation service by trained technical staff under direct control of the qualified faculty as lab supervisor.
- iii. Rich legacy of research on tropical diseases for more than four decades with external funding from governmental agencies with significant scientific contribution in the field of tropical infectious diseases like human lymphatic filariasis and tuberculosis as reflected by publications in peer reviewed national and international journals; already recognized as national repository for filarial parasite, animal model and vector insectarium for maintenance of the infection cycle to conduct research and also extend facility to prospective research groups for the purpose of dissemination of knowledge and collaboration.
- iv. Dissemination of knowledge by conducting workshop and training programme consistently every year for students as well as junior and

middle level faculty from own and other institutes on advanced molecular techniques used in infectious disease research and also on bioinformatics.

- v. Utilization of the trained and experience faculty resources towards institutional development such as medical education technology initiative through imparting training of junior faculty of the institute and also conduction of educational research as members of medical education technology cell, monitoring ethical aspects of animal and human research as institutional representative supervisors.

Some areas which pose challenges which need to be addressed:

With the advent of recent concepts of educational reforms in terms of more competency based teaching and learning, the faculty is facing difficulty as there is large conflict as the same extent of modifications are yet to be incorporated in the assessment system at the University level.

52. Future plans of the department.

- i. **Teaching:** The prospective plan for teaching will be effective implementation of competency based medical education; a draft of the same has already been formulated in consultation with departmental faculty and same has been submitted to the University for Future Course of action. Keeping in view of the recent advancement in technology, e-learning is actively being considered for implementation and faculty orientation towards this end is already initiated.
- ii. **Research:** An optimistic plan to integrate the departmental research strength has been conceptualized to develop a unified centre to encompass infectious disease research highlighting drug development and immune modulation and its implication in autoimmune diseases along with incorporation of metabolic diseases and cancer research involving all faculty members of the department.
- iii. **Lab service:** For up-gradation of the laboratory service, appropriate measure are planned including training of staff and reorientation with quality management through active association with 'Lab for Life' initiative as well as steady progress is being made towards acquiring NABL accreditation.

ANNEXURES FROM DEPARTMENT OF BIOCHEMISTRY

ANNEXURE I A: PUBLICATIONS

2011-2012

- 1) **Sharmila S, Christiana I, Kiran P, Reddy MVR, Kaliraj P.**
The adjuvant-free immunoprotection of recombinant filarial protein Abundant Larval Transcript-2 (ALT-2) in *Mastomys coucha* and the immunoprophylactic importance of its putative signal sequence.
Exp Parasitol. 2011 Nov; 129 (3): 247-53.
- 2) **Goswami K , Deshmukh P, Garg N, Nagarale K.**
Lipid Peroxidation and Antioxidant Status in Pregnant Women – A Field Based Study.
Indian Journal of Maternal and Child Health 2011;13:1-9.
- 3) **Waghmare JE Kamble P, Kale S, Pal A.**
Vanishing testis syndrome in a 46 XY male.
Biomedical Research 2011; 22 (2):231-234.
- 4) **Mohod K, Dhok A, Kumar S.**
Status of Oxidants and Antioxidants in Pulmonary Tuberculosis with Varying Bacillary Load.
Journal of Experimental Sciences 2011, 2(6):35-37.
- 5) **Kamble A, Mohod K, Kumar S.**
Are genetic factors really predisposing for essential hypertension?
International Journal of Biological & Medical Research 2011, 2 (4); 1198-1203.
- 6) **Singhal S, Majumdar A, Harinath BC, Kamble P.**
Use of in-house developed M. TB ES antigen ELISA in diagnosis of tuberculosis. Indian Medical Gazette, July 2011;CXLV(7):279-282.
- 7) **Majumdar A, Wankhede G, Kamble P, and Harinath BC.**
Effect of HIV Protease inhibitors and orlistat on mycobacterial ES-31 serine protease, a potential drug target in mycobacterium tuberculosis.
Indian Journal of Tuberculosis 2011; 58:4-10.
- 8) **Wankhede G, Majumdar A, Kamble P, Harinath BC.**

- Mycobacterial secretory SEVATB ES-31 antigen, a chymotrypsin-like serine protease with lipase activity and drug target potential.
Biomedical Research 2011;22 (1):45-48.
- 9) Majumdar A, Wankhede G, Kamble P, Joshi P, Harinath BC.**
A Sensitive and Specific ES-31 antigen detection based on fluorometric assay for confirmation of mycobacterium tuberculosis in cell culture.
Indian Journal of experimental Biology Vol. 49 April 2011, 304-306.
- 10) Singh S, Goswami K, Reddy MVR, Sharma R, Dash D.**
Novel macrofilaricidal activity of nanosilver.
Int. Journal of Nanomedicine 2012;7 1023-1030.
- 11) Waghmare JE, Kamble P, Deshmukh PR, Waghmare PJ.**
Determination of Sex from the Shaft and Tuberosity of Radius – A Multivariate Discriminant Function Analysis.
Biomedical Research 2012; 23 (1): 115-118.
- 2012-2013**
- 12) Sahare KN, Anandhraman V, Meshram VG, Meshram SU, Singh V, Reddy MVR, Goswami K**
Antifilarial Potential of *Butea monosperma* L. against microfilaria in vitro
International Journal of Pharm Tech Research. 2012; 4(3): 1181-1184.
- 13) Dakshinamoorthy G, Samykutty AK, Munirathinam G, Shinde GB, Nutman T, Reddy MV, et al.**
Biochemical Characterization and Evaluation of a *Brugia malayi* Small Heat Shock Protein as a Vaccine against Lymphatic Filariasis. PLoS ONE 2012; 7(4): e34077.
- 14) Joseph SK, Verma SK, Sahoo MK, Sharma A, Srivastava M, Reddy MV, Murthy PK.**
IgG subclass responses to proinflammatory fraction of *Brugia malayi* in human filariasis.
Indian J Med Res. 2012 May; 135(5):650-5.
- 15) Sharma R, Seema Bag, Tawari N.R, Degani M.S, Goswami K, Reddy MVR**
Exploration of 2, 4-diaminopyrimidine and 2, 4-diamino-s-triazine derivatives as potential anti-filarial agents.

Parasitology. 2013 Jul;140(8):959-65.

16) Kumar S, Bhomale V, Daf S.

In silico Structural Prediction of E6 and E7 Proteins of Human papillomavirus Strains by Comparative Modeling.

International J Bioautomation. 2012; 16(2):101-11.

17) Jena L, Kumar S, Harinath BC.

MycoProtease-DB: Useful resource for Mycobacterium tuberculosis complex and nontuberculous mycobacterial proteases.

Bioinformatics. 2012; 8(24): 1240–1242.

18) Kamble P, Deshmukh P, Goswami K, Garg N.

Metabolic syndrome in rural population of Wardha, central India – An exploratory factor analysis.

Indian Journal of Community Medicine. 2013; 38(1): 33 -38.

19) Puppalwar PV, Goswami K, Dhok A.

Review on evolution of methods of bilirubin estimation.

IOSR Journal of Dental and Medical Sciences. 2012; 1(3): 17-28.

20) Wankhade G, Majumdar A, Kamble P, Sajal De, Harinath BC.

Multi-antigen and antibody assays (SEVA TB ELISA) for the diagnosis of Tuberculous pleural effusion.

Indian J Tuberc. 2012; 59:78-82.

21) Wankhade G, Hutke V, Waghmare P, Misra A, Varma S, Harinath BC.

Inhibitory effect of isoniazid and orlistat combination on mycobacterial ES-31 serine protease in vitro and on the growth of M.tb bacilli in axenic culture.

Indian J Tuberc. 2012; 59:156-161.

22) Pranita J Waghmare, Gauri Wankhade, Anindita M, Kiran Wandile, Badole C.M, Harinath B.C.

SEVA TB ELISA – Multi antigen and antibody assays for serodiagnosis of suspected cases of pulmonary and extra pulmonary tuberculosis in tertiary care hospital –A retrospective study.

Asian Pacific Journal of Tropical Disease. (2012):S827-S832.

2013-2014

23) Reddy MVR

Human dirofilariasis: An emerging zoonosis

Trop Parasitol 2013; 3: 2-3.

- 24) Zwerling Alice, Joshi Rajinish, Kalantri SP, Dakshinamoorthy Gajalakshmi, Reddy MVR, Benedetti Andrea, Schwartzman, Menzies Dick, Pai Madhukar**

Trajectories of tuberculosis-specific interferon gamma release assay responses among medical and nursing students in rural India.

Journal of Epidemiology and Global Health 2013;3(2):105-117.

- 25) Rao S Venkata, Gandhe Mahendra, Indira S Srilakshmi P, Goswami Kalyan**

The role of total cholesterol level in the assessment of the severity of myocardial infarction

Journal of clinical and Diagnostic Research. 2013; 7(5) : 972-973.

- 26) Jena Lingaraja, Kashikar Supriya, Kumar Satish, Harinath B.C.**

Comparative proteomic analysis of *Mycobacterium tuberculosis* strain H₃₇Rv versus H₃₇Ra.

International Journal of Mycobacteriology. 2013; 2(4): 220-226.

- 27) Kumar S, Jena L, Mohod K, Daf S, Varma A.**

In silico inhibitors for human papillomavirus 16E7 protein.,

Onl J Bioinform. 2013; 14(3): 302-310.

- 28) Kumar Satish, Jena Lingaraja, Daf S, Mohod K, Goyal Piyush, Varma Ashok K**

hpvPDB : An Online Proteome Reserve for Human Papillomavirus.

Genomics & Informatics – 2013 Dec, 11(4): 289-291(PMID : 24465243).

- 29) Jena L, Kashikar S, Kumar S, Harinath BC.**

Comparative proteomic analysis of *Mycobacterium tuberculosis* strain H₃₇Rv versus H₃₇Ra.

International Journal of Mycobacteriology 2013; 2(4):220-226.

2014-2015

- 30) Hande S, Goswami K, Jena L, Reddy MVR**

Exploring apposite therapeutic target for apoptosis in filarial parasite : A plausible hypothesis

Medical Hypotheses 2014; 82 : 356-361.

- 31) Ambulkar S, Singh R, Reddy MVR, Varma PS, Gupta DO, Shende, AR, Pal AK**
Genetic Risk of Azoospermia Factor (AZF), Microdeletions in Idiopathic Cases of Azoospermia and Oligozoospermia in Central Indian Population
Journal of Clinical and Diagnostic Research. 2014, Mar, 8 (3) : 88-91. 2014-2015.
- 32) Satish Kumar, Lingaraja Jena, Sneha Galande, Sangeeta Daf, Kanchan Mohod, Ashok K. Varma.**
Elucidating molecular interactions of natural inhibitors with HPV-16 E6 Oncoprotein through docking analysis.
Genomics Inform. 2014 Jun; 12(2): 64–70.
- 33) K Goswami, S Hande, P Bhoj, L Jena, M Reddy.**
Exploiting nanoparticle for targeted apoptosis as therapeutic modality against filarial parasite: A plausible premise.
OA Medical Hypothesis 2014 Jul 23; 2(2):13.
- 34) Waghmare P, Hutke V, Wandile K, Badole CM, Harinath BC.**
In house developed SEVA TB ELISA for ruling out tuberculosis in suspected cases of Extra pulmonary tuberculosis, a six month retrospective study in a tertiary care hospital.
Biomedical Research 2014;25(3):361-364.
- 35) Lingaraja Jena, Supriya Kashikar, Satish Kumar, Bhaskar C Harinath.**
Effect of Single Amino Acid Mutations on function of Mycobacterium tuberculosis H₃₇Rv and H₃₇Ra by Computational Approaches.
Indian J Tuberc 2014; 61 (3):200-206.
- 36) Lingaraja Jena, Pranita Waghmare, Supriya Kashikar, Satish Kumar, Bhaskar C. Harinath.**
Computational approach to understanding the mechanism of action of isoniazid, an anti-TB drug.
International Journal of Mycobacteriology 2014 December; 3 (4):276-282.
- 37) Satish Kumar, Lingaraja Jena, Kanchan Mohod, Sangeeta Daf, Ashok K Varma.**
Virtual Screening for Potential Inhibitors of high-risk Human papillomavirus 16 E6 Protein.
InterdiscipSci Comput Life Sci. 2015; 7:1–7.

- 38) Satish Kumar, Lingaraja Jena.**
Understanding Rifampicin resistance in tuberculosis through computational approach.
Genomics Informatics. 2014; 12(4):276–282.
- 39) Satish Kumar, Lingaraja Jena.**
Molecular Docking Explains Atomic Interaction between Plant-originated Ligands and Oncogenic E7 Protein of High Risk Human Papillomavirus Type 16
International Journal Bioautomation. 2014; 18(4)315-324.
- 40) Kumar S, Jena L.**
A home-grown algorithm for entire proteome comparison.
epcALGO: PeerJPrePrints 2014; 2:e210v1
- 41) Jagilinki BP, Gadewal N, Mehta H, Mahadik H, Vikrant, Pandey A, Sawant U, Wadegaonkar PA, Goyal P, Kumar S, Varma AK.**
Conserved Residues at the MAPKs Binding Interfaces that Regulate Transcriptional Machinery.
J BiomolStructDyn. 2014 Apr 16:1-28.
- 42) Vishal Khatri, Nitin Amdare, Ravi Shankar Yadav, Aaditya Tarnekar, Kalyan Goswami, MVR Reddy.**
Brugia malayi Abundant Larval Transcript 2 protein treatment attenuates experimentally-induced colitis in mice.
Indian J Exptl. Biol. 2015 Vol.53(11).
- 43) A Gandhirajan, M Jayaprakasam, P Prabhu, J Parasurama, K Vishal, A Nitin, R MVR, K Perumal.**
Chimeric-Epitope Vaccine from Multi-Stage Antigens for Lymphatic Filariasis.
Scand J Immunol 2015: 82 (4)0038-9.
- 44) Ravi SP Yadav, Vishal Khatri, Nitin Amdare, Kalyan Goswami, VB Shivkumar, Nitin Gangane, MVR Reddy.**
Immuno-modulatory effect and therapeutic potential of *Brugia malayi* cystatin in experimentally induced arthritis.
Indian J Clin Biochem. 2015; 10.1007/s12291-015.
- 45) Aparnaa R, Mahalakshmi N, Harini A, Jeyaprita PJ, Anugraha G, Amdare NP, Khatri VK, Reddy MVR and Kaliraj P.**

Wuchereria bancrofti 20/22 a homologue of abundant larval transcript L3 stage filarial antigen: molecular and immunological characterization. *Parasite Immunol.* 2014; 36:475–84.

46) Vishal Khatri, Nitin Amdare, Aaditya Tarnekar, Kalyan Goswami, MVR Reddy.

Brugia malayi Cystatin Therapeutically Ameliorates Dextran Sulfate Sodium Induced Colitis in Mice.

J Dig Dis 2015; 16:598-95.

47) Nitin Amdare, Vishal Khatri, Ravi SP Yadav, Aaditya Tarnekar, Kalyan Goswami, MVR Reddy.

Brugia malayi soluble and excretory-secretory proteins attenuate development of streptozotocin-induced type 1 diabetes in mice. *Parasite Immunol.*2015;37:624-34

48) Sneha Hande, Kalyan Goswami, Priyanka Bhoj, Amisha Mandvikar, MVR Reddy.

Oxidative Stress Induced Apoptosis by Thiazolidine Compounds: A Unique Antifilarial Approach.

SMU Medical Journal 2015.

49) Sneha Hande, Kalyan Goswami, Richa Sharma, Priyanka Bhoj, Lingaraj Jena, MVR Reddy

Targeting folate metabolism for therapeutic option: A bioinformatics approach..

Indian Journal of Experimental Biology 12/2015; 53(11):762-766.

2015-2016

50) Amisha Mandvikar, Sneha Hande, P. Yeole, K. Goswami & M. V. R. Reddy.

Therapeutic potential of novel heterocyclic thiazolidine compounds against human lymphatic filarial parasite: an in vitro study.

International Journal of Pharma Sciences and Research. April, 2016 Vol. 7, Issue 4; IJPSR/RA-6008/10-15.

ANNEXURE I D: MONOGRAPHS

Monographs: Metabolic Syndrome in rural areas of Central India: Area of concern? LAP Publishers Germany. ISBN no. 978-3-8484-3540-1.

ANNEXURE II: WORKSHOPS, MEETINGS

2011-12

Dr. M.V.R.Reddy

- Meeting of DBT Task Force on 'Research Resources, Facilities and Platforms' for new proposals in 12th Five year plan on 29th February, 2012 at New Delhi.
- Academic Council meeting of Maharashtra University of Health Sciences, Nashik on 14th September, 2012.
- Faculty of medicine meetings of Maharashtra University of Health Sciences, Nashik 30th September, 2011 and 11th February, 2012.
- BOS-Modern medicine Pre-clinical / 31-5 committee meetings of Maharashtra University of Health Sciences, Nashik 29th September 2011, 24th January, 10th February and 20th March, 2012.
- Meeting of Board of Research (BOR) of Maharashtra University of Health Sciences, Nashik on 19th & 20th May, 22nd June and 12th December, 2011.

Dr. Satish Kumar

- 23rd Annual DBT's BTISnet Coordinators Meeting held at SMVD University, Katra, and Jammu during February 3-4, 2012.
- ICMR-NIC Scientific Advisory Committee (SAC) meeting held at National Informatics Centre, New Delhi on March 22, 2012.

2012-2013

Dr. M.V.R.Reddy

- Project Advisory Committee (PAC) meeting of DST, Ministry of S&T and presented project on 'Evaluation of immunomodulatory effect and therapeutic potential of filarial proteins in ulcerative colitis', Pune, November 24, 2012.
- Task Force meeting on Projects Review at Department of Biotechnology (DBT), Ministry of Science & Technology (S&T), New Delhi 2013.

2013-2014

Dr. Satish Kumar

- Attended the 24rd Annual DBT's BTISnet Coordinators Meeting held at CSIR-CIMAP and presented the Progress Report on BIC for 2012-13. Lucknow, February 3-4, 2013.
- Attended Scientific Advisory Committee (SAC) meeting of ICMR NIC Project – "National Databases of Indian Medical Journals" at NIC, New Delhi on May 1, 2013.

- Attended; the 25th Annual DBT's BTISnet Coordinators Meeting held at CSIR-National Institute of Oceanography, Dona Paula, Goa during February 27-28, 2014.

2014-2015

Dr. MVR Reddy

- Attended DBT Task Force meeting and presented annual progress report of the project entitled "Maintenance of Repository for Filarial Parasites and Reagents" held at New Delhi on June 13, 2014.

Dr. Satish Kumar

- Attended SAC meeting of NIC-ICMR NICS I Project at New Delhi on May 23 2014.
- Attended online Brain Storming session for IndMed/MedInd databases at NIC, ICMR, New Delhi on February 20, 2015.
- Attended the BoS& Inaugural meeting of Bioethics chair of UNESCO HAIFA declaration of MUHS Nodal Centre on March 23, 2015.

2015-2016

Dr. M. V. R. Reddy

- Attended Dissemination meeting under 'The labs for life' project at Ministry of Health & Family Welfare, New Delhi on May 8, 2015.
- Attended DBT "Task Force on Research Resources, Facilities and Platforms" on 12th February, 2016' and presented the progress of the ongoing Research Project.

Dr. Satish Kumar

- Attended 27th BTISnet Annual Coordinators' Review meeting organized by DBT, MoS&T, Govt. of India at Kumaun University, Nainital during March 3-5,, 2016.

ANNEXURE II: GUEST LECTURES

2011-12

Dr. MVR Reddy

- Delivered guest lecture on "Elimination programme of lymphatic filariasis-Need for novel diagnostic and vaccine tools" at CME on "Recent Trends in Clinical Biochemistry" at GMC, Jagdalpur, Chhattisgarh, 17th Sept. 2011

- Delivered guest lecture on “Quest for filarial vaccines: novel candidates identified” at 5th National Congress of the Indian Academy of Tropical Parasitology (TROPACON-2011), GMC, Nagpur, 11th-13th Nov 2011
- Delivered guest lecture on “ Ethical issues related to biomedical research and authorship issues in publications” at 5th National Congress of the Indian Academy of Tropical Parasitology (TROPACON-2011), GMC, Nagpur, 11th-13th Nov 2011

2012-13

- Delivered guest lecture on "Genomics of filarial parasites -an update" in TRAPACON 2012 at Sri Aurobindo Medical College and P. G. Institute, Indore, October 11-14, 2012.

Dr. Kalyan Goswami

- Delivered guest lecture on “Anti-filarial drug designing – search for destined death” in TRAPACON 2012 at Sri Aurobindo Medical College and P. G. Institute, Indore, October 11-14, 2012.

2013-2014

Dr. M.V.R. Reddy

- Delivered talk on "Type 1 Diabetes: Therapeutic role of helminth proteins" in 13th Congress of the Asian Pacific Federation of Clinical Biochemist (APFCB) at Bali, Indonesia, October 27-30, 2013.
- Delivered talk on “Research environment and hopes for young scientists : The academic point of view” in the International Federation of Clinical Chemist (IFCC) Task Force for Young Scientists Symposium of the Annual Conference of Association of Clinical Biochemist of India (ACBICON-2013) at New Delhi, December 3-5, 2013.

Dr. Satish Kumar

- Delivered talk on “Virtual Screening for Potential Inhibitors of high-risk Human papillomavirus 16 E6 Protein” in National Conference on Current Advances in Biotechnology (NCCAB) at SantGadge Baba Amravati University, Amravati, November 25-26th, 2013.

Dr. Kalyan Goswami

- Delivered talk on “Nano particles and its macro impactg – plausibility and prospect” in ACBICON 2013 at New Delhi, December 3-5, 2013.

2014-2015

Dr.M.V.R. Reddy

- Delivered oration lecture on “Autoimmune diseases: Therapeutic role of helminth derived immune-modulatory molecules” at 41st national conference of Association of Clinical Biochemist of India (ACBICON 2014) at All India Institute of Medical Sciences, Jodhpur during December 10-13, 2014.

Dr . Kalyan Goswami

- Delivered guest lecture in Research methodology Workshop ‘Parametric and non-parametric tests in statistics’ of DMIMS at Sawangi, in April, 2013
- Delivered Guest lecture on “Bioinformatics approach for anti-filarial drug development” at 41st national conference of Association of Clinical Biochemist of India (ACBICON 2014) at All India Institute of Medical Sciences, Jodhpur during December 10-13, 2014.
- Delivered lecture on “Bioinformatics approach for drug design: Human lymphatic filarial model” at Assam Medical College, Dibrugarh on December 19, 2014.
- Delivered lecture as invited speaker in Research methodology Workshop ‘Statistical aspect of Quality Control’ of DMIMS at Sawangi, in Feb, 2014.

2015-2016

Dr.M.V.R. Reddy

- Presented talk on ‘Ethics involved in publication processes in the CME on ‘Medical writing’ organized by International Federation of Clinical Community (IFCC) - Task force for Young Scientist at 42nd ACBICON-2015 held at PGIMER Chandigarh on 23-28, November 2015.

Dr. Kalyan Goswami

- Attended a session and delivered a lecture on “Herbal polyphenols induced apoptosis through oxidative stress and its therapeutic application” organized by Society for free radical research in India at 14th annual meeting of Society for Free Radical Research Department of biochemistry, College of medicine & JNM Hospital, WBUHS, Kalyani on January 9-11, 2016.

ANNEXURE III: EXTRA-INSTITUTIONAL RESPONSIBILITIES

a) National committees

Dr. MVR Reddy	<ul style="list-style-type: none">a. Managing Editor, Indian Journal of Clinical Biochemistryb. Asst. Editor-in chief, News Bulletin of Association of Clinical Biochemists of India (ACBI)c. National Representative from ACBI in International Federation of Clinical Chemistryd. Executive Member of Association of Clinical Biochemists of India
Dr.Satish Kumar	<ul style="list-style-type: none">a. Member, Scientific Advisory Committee (SAC), ICMR-NIC, NICS Project of Govt of India since March 2011b. Member, Indian Association for Medical Informatics (PL 04285) since 2004

b) International committees

Dr. MVR Reddy	<ul style="list-style-type: none">a. National Representative from ACBI in International Federation of Clinical Chemistry (IFCC)b. Secretary, Communication Committee, Asian Pacific Federation of Clinical Biochemistry (APFCB)c. Webmaster for E-news of Asian Pacific Federation of Clinical Biochemistry (APFCB)
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c) Editorial Boards

Dr. MVR Reddy	<ul style="list-style-type: none">a. Managing Editor, Indian Journal of Clinical Biochemistryb. Asst. Editor-in chief, News Bulletin of Association of Clinical Biochemists of India (ACBI)c. Member, Editorial Board, Sevamed, Quarterly Bioinformatics Journald. Member, Editorial Board, Journal of MGIMS
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Dr. Satish Kumar	<ul style="list-style-type: none"> a. Member & Reviewer, National Advisory Board, JK Science, J of Medical Education & Research since 2009 b. Member, Journal of Mahatma Gandhi Institute of Medical Sciences since January 2011 c. Member Editorial Board / Reviewer, International Journal of Medical Sciences (IJME) since July, 2015 d. Reviewer, Indian Journal of Clinical Biochemistry since March, 2015 e. Member Editorial Board / Reviewer, Journal of Enzymology and Metabolism since June, 2015 f. Member Editorial Board, International Journal of Clinical Immunology since August, 2015 g. Member Editorial Board / Reviewer, Clinical and Experimental Pharmacology and Physiology since January, 2015 h. Reviewer, Biological Sciences and Pharmaceutical Research since June, 2014 i. Reviewer, Indian Journal of Biochemistry & Biophysics (IJBB) since December, 2013
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4) Other

Dr. MVR Reddy	<ul style="list-style-type: none"> a. Member, Faculty of Medicine, Maharashtra University of Health Sciences, Nashik b. Member, PG Board of Studies - Modern Medicine, Pre-Clinical Maharashtra University of Health Sciences, Nashik c. Member, UG Board of Studies - Modern Medicine, Pre-Clinical Maharashtra University of Health Sciences, Nashik d. External Expert, Research & Recognition Committee (RRC), Ad-hoc BOS in Biochemistry, University of Mumbai (2011-15) e. Member, Quality Assurance Committee of JB College of Sciences, Wardha
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Dr. Satish kumar	<ol style="list-style-type: none"> a. Member, Board of Studies (UG), Biochemistry, Faculty of Medicine, Maharashtra University of Health Sciences (MUHS), Nashik since 2012 b. Member, 31 / 5 Committee, (UG), Biochemistry, Faculty of Medicine, MUHS, Nashik since 2012 c. Chairman, Committee for introducing competencies in First MBBS Biochemistry curriculum of MUHS, Nashik to produce good Indian medical graduates since October 2014 d. Member, Reference Book Review Committee in the subject Biochemistry, MUHS, Nashik since 2014 e. Member, Board of Studies in Biotechnology & Bioinformatics, MUHS, Nashik since February 2008 f. Member, Research Grant Scrutiny Committee (RGSC), MUHS, Nashik since 2015 g. Member, Local Inquiry Committee, for routine & surprise CA & EA MUHS inspections in the Medical, Dental, Ayurveda, Homeopathy etc colleges across the Maharashtra since 2014 h. Member 31/5 committee (Biochemistry), Preclinical UG BOS, Faculty of Medicine, Maharashtra University of Health Sciences, Nashik i. Member, Faculty of Medicine, IMS, Banaras Hindu University, Varanasi. j. Member, Executive Council, BTIS net, BIC, Raipur k. Installation Meeting of Bioethics Chair of UNESCO l. HAIFA Declaration of MUHS Nodal Centre at MUHS Headquarter, Nashik on March 23, 2015
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ANNEXURE IVA: CONFERENCES ATTENDED

2011-2012

Dr. M.V.R. Reddy

- Attended CME on metabolic syndrome organized by Dept. of Biochemistry, J.N. Medical College, DMIMS, Sawangi Meghe 25th sept. 2011
- Attended CME on Spirituality and Psychiatry organized by Dept. of Psychiatry, J.N. Medical College, DMIMS, Sawangi Meghe 25th Nov., 2011
- Attended CME on “Recent Trends in Clinical Biochemistry” at GMC, Jagdalpur, Chhattisgarh 17th Sept. 2011
- Attended 5th National Congress of the Indian Academy of Tropical Parasitology (TROPACON-2011) GMC, Nagpur, 11th-13th Nov 2011

Dr. Ashwini Kamble

- Attended CME on Scope & Application of Anthropometric methods in Present Day Research., Dept. of Anatomy, MGIMS, Sevagram 18th Nov., 2011

2012-2013

Dr. M. V. R. Reddy

- Attended ACBICON 2012 at Ranchi during December 13, 2012
- Attended TROPACON 2012 at Indore during October 11-14, 2012

Dr. Kalyan Goswami

- Attended TROPACON 2012 at Indore during October 11-14, 2012

Dr. Kumud Harley

- Attended 20th National Conference of the Association of Medical Biochemists of India (AMBICON-2012) Bhubaneswar, December 8-10, 2012.

2013-2014

Dr. M. V. R. Reddy

- Attended TROPACON-2013-VII National Conference of the Indian Academy of Tropical Parasitology (IATP) held at Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow during Sept 6 - 8, 2013
- Attended 13th Congress of the Asian Pacific Federation of Clinical Biochemists (APFCB) at Bali, Indonesia, 27-30 Oct 2013
- Attended ACBICON -2013: Annual Conference of Association of Clinical Biochemists of India at New Delhi, 3-5 Dec 2013

Dr. Satish Kumar

- Attended National Conference on Current Advances in Biotechnology (NCCAB) held at Sant Gadge Baba Amravati University, Amravati during November 25-26, 2013.
- Attended NextGen Genomics & Bioinformatics Technologies (NGBT) Conference hosted by SRF & CSIR-IGIB at New Delhi during November 14-16, 2013.

Dr. Kalyan Goswami

- Attended NextGen Genomics & Bioinformatics Technologies (NGBT) Conference hosted by SRF & CSIR-IGIB at New Delhi during November 14-16, 2013.

Dr. Kumud Harley

- Attended NextGen Genomics & Bioinformatics Technologies (NGBT) Conference hosted by SRF & CSIR-IGIB at New Delhi during November 14-16, 2013.

Dr. Kanchan Mohod

- Attended NextGen Genomics & Bioinformatics Technologies (NGBT) Conference hosted by SRF & CSIR-IGIB at New Delhi during November 14-16, 2013.

2014-2015

Dr.M.V.R. Reddy

- Attended 41st National Conference of Association of Clinical Biochemist of India (ACBICON 2014) at All India Institute of Medical Sciences, Jodhpur during December 10-13, 2014.

Dr. Kalyan Goswami

- Attended 41st National Conference of Association of Clinical Biochemist of India (ACBICON 2014) at All India Institute of Medical Sciences, Jodhpur during December 10-13, 2014.

Dr. Kumud Harley

- Attended conference held by Association of Medical Biochemist of India-BIOCON state chapter-II, at Mumbai during 26-27 Feb, 2015.

Dr. Kanchan Mohod

- Attended conference held by Association of Medical Biochemist of India-BIOCON state chapter-II, at Mumbai during 26-27 Feb, 2015.

2015-2016

Dr. M.V.R. Reddy

- Attended a session in 42nd ACBICON-2015 held at PGIMER Chandigarh on November 23-28, 2015.

ANNEXURE IV B: COURSES ATTENDED

Dr. M.V.R. Reddy

GSMC-FAIMER Fellowship programme held at Seth GS Medical College & KEM Hospital, Mumbai, 6-13 Jun 2011.

Dr. K. Mohod

Hands on Training course: Molecular Techniques in Practice at MUHS Regional Centre, Pune, 23-25 Nov 2011.

Dr. Satish Kumar

LII International Auditor & Quality Management Systems Certificate Course conducted by Foundation for Quality (Indian) at Lokamanya Tilak Municipal Medical College & General Hospital during 17th to 20th February, 2014.

ANNEXURE IV C: WORKSHOPS ATTENDED

2011-2012

Dr. N. Garg

- Attended workshop on Biomedical Waste Management, MGIMS, Sevagram 18th July, 2011.

Dr. K. Goswami

- Attended 14th Workshop on Biomedical Informatics, Bioinformatics Centre, JBTDRRC, Mahatma Gandhi Institute of Medical Sciences, Sevagram, December 5-6, 2011.

Dr. K. Mohod

- Attended 14th Workshop on Biomedical Informatics, Bioinformatics Centre, JBTDRRC, Mahatma Gandhi Institute of Medical Sciences, Sevagram, December 5-6, 2011.

Dr. P. Waghmare

- 14th Workshop on Biomedical Informatics, Bioinformatics Centre, JBTDRRC, Mahatma Gandhi Institute of Medical Sciences, Sevagram, December 5-6, 2011.

Dr. A. Kamble

- Attended 14th Workshop on Biomedical Informatics, Bioinformatics Centre, JBTDRRC, Mahatma Gandhi Institute of Medical Sciences, Sevagram, December 5-6, 2011.

2012-2013

Dr. M.V.R. Reddy

- Attended DST workshop on 'Emotional Intelligence at work place for Scientists' during Feb 4-8, 2013 at Centre for Organizational Development in Hyderabad.
- Attended Workshop on Competency Based Curriculum for Health Professions Education in India, Maharashtra University of Health Sciences, Nashik, March 23, 2013.

Dr. S. Kumar

- Attended Workshop on Competency Based Curriculum for Health Professions Education in India, Maharashtra University of Health Sciences, Nashik, March 23, 2013.

Dr. K. Goswami

- Attended and participated in workshop on curriculum planning and innovations in 2013 at Sevagram.
- Attended and participated in workshop on **Ethics in Clinical Research** conducted under PATH in KEM, Mumbai in 2013.

Dr. N. Garg

- Attended workshop on mentoring held at MGIMS, Sevagram, March 7, 2013.

Dr. K. Harley

- Attended workshop on mentoring held at MGIMS, Sevagram, March 7, 2013.

Dr. K. Mohod

- Attended workshop on mentoring held at MGIMS, Sevagram, March 7, 2013.

Dr. P. Waghmare

- Attended workshop on National conference on health professions education (NCHPE) at MGIMS, 2014.
- Attended workshop on mentoring held at MGIMS, Sevagram, March 7, 2013.

2014-2015

Dr. S. Kumar

- Attended 2 Day- workshop on "Application of Competency - based Education to create good Indian Medical Graduates" at MUHS Regional Centre - Institute of Medical Education Technology & Teachers' Training, Pune during November 20 - 21, 2014.

Dr. K. Goswami

- Participated in workshop on National Conference on Health Professions Education (NCHPE) at MGIMS, 2014.

ANNEXURE IV D: MEU WORKSHOPS

Dr. M.V.R. Reddy

- Attended the MCI Basic Course at MGIMS, Sevagram during 20 to 22nd January, 2015.
- Participated in Third contact Session of the 8th GSMC-FAIMER Regional Institute Programme, Seth GS Medical College & KEM Hospital, Mumbai, June 9th to 13th, 2012.

Dr. S. Kumar

- Medical Council of India Workshop in Medical Education Technologies held at MCI Nodal Centre, JN Medical College, Sawangi (Meghe) 4-6th July, 2011.
- Attended Ist MCI recognized Advance Course in Medical Education held at MCI nodal centre for National faculty development, JNMC, Sawangi during July 7-11, 2014 (Ist contact session) and February 1-3, 2015 (IInd contact session) and made a presentation on the Medical Education Project report 'Need Assessment of Enhancing the Weightage of Applied Biochemistry in the Undergraduate Curriculum at MGIMS, Sevagram.
- Attended 2 Day- workshop on "Application of Competency - based Education to create good Indian Medical Graduates" at MUHS Regional Centre - Institute of Medical Education Technology & Teachers' Training, Pune during November 20 - 21, 2014.

Dr. K. Mohod

- Basic Medical Education Course at Jawaharlal Nehru Medical College, Sawangi (Meghe) Wardha during 4th July to 6th July, 2011..

Dr. P. Waghmare

- Attended basic MET workshop during 16-18 Jan 2012 at MGIMS, Sevagram.

ANNEXURE IV E: RESEARCH METHODOLOGY WORKSHOPS

Dr. MVR Reddy

- Attended in Research methodology workshop organized at Nashik .

Dr. Satish Kumar

- Attended workshop on Research Methodology, MGIMS, Sevagram, January 7-12, 2013.
- Research methodology workshop organized at Nashik.

Dr. K. Harley

- Attended workshop on Research Methodology, MGIMS, Sevagram, January 7-12, 2013

Dr. Pranita Waghmare

- Research Methodology Workshop Teachers during 10 to 15 Nov. 2014 Organized by MGIMS, Sevagram.

ANNEXURE V: AWARDS & FELLOWSHIPS

1. **Dr. M.V.R. Reddy** has been awarded Best Teacher Award – 2011 by Maharashtra University of Health Sciences.
2. **Dr. M.V.R. Reddy** has been awarded Foundation for the advancement of International medical Education and Research (FAIMER) Fellowship in a convocation held at FAIMER Regional Centre, Seth GS Medical College & KEM Hospital, Mumbai on 9th June, 2013.
3. **Dr. M.V.R. Reddy** received, Mrs. & Dr. G. P. Talwar Oration award at Association of Clinical Biochemist of India (ACBICON 2014) during 10th – 13th, December, 2014 at All India Institute of Medical Sciences, Jodhpur.
4. **Dr. S. Kumar** awarded 1st MCI recognized Fellowship In Medical Education (FIME) Fellowship on completing one year Advanced Course on Medical Education organized by MCI Nodal Centre, JNMC, Sawangi during July, 2014 – June, 2015.
5. **Dr. S. Kumar** awarded International Moodle Completer Aug 2015 Certificate Badge on completion of online Teaching with Moodle Course organized by Moodle, 2/18 Richardson St, West Perth WA 6005.
6. **Dr. S. Kumar** awarded National Academy of Medical Sciences (India) fellowship award for Training under the Medical Scientist Exchange Programme (2011-2012) for carrying out specialized training on Molecular Biology & Protein Biochemistry at Advanced Centre for Treatment, Research & Education in Cancer (ACTREC), Mumbai.
7. **Dr. Pranita Waghmare** awarded International Moodle Completer Feb 2016 Certificate Badge on completion of online Teaching with Moodle Course organized by Moodle, 2/18 Richardson St, West Perth WA 6005.
8. **Dr. M.V.R. Reddy** received Awadhesh Saran Memorial Oration Award-2010 from the Association of Clinical Biochemists of India.
9. **Dr. M.V.R. Reddy** received Asian Pacific Federation of Clinical Biochemistry (APFCB) Visiting Fellowship-2007.
10. **Dr. M.V.R. Reddy** received Overseas Biotechnology Associateship -2006 from DBT, Govt of India for Research work as Visiting Professor at University of Illinois College of Medicine, Rockford (March 2^{6th} to June 25th, 2007).
11. **Dr. M.V.R. Reddy** received Vanslyke Foundation supported International Travel Grant from American Association for Clinical Chemistry (AACC) - 2005.
12. **Dr. M.V.R. Reddy** received Seth G.S. Medical College & KEM Hospital Oration Award - 2004 from Association of Clinical Biochemists of India during ACBICON-2004 at NIMHANS, Bangalore.

13. **Dr. M.V.R. Reddy** received Prof. K.P. Sinha – Prof. P.S. Krishnan Award - 2001 for the Best Paper published in India Journal of Clinical Biochemistry during the year 2001.
14. **Dr. M.V.R. Reddy** received Merit Award for free communication-1998 in the 10th International Congress of Immunology, New Delhi.
15. **Dr. M.V.R. Reddy** received WHO/UNDP/World Bank-TDR Fellowship-1992 for participation in a workshop on ‘*In vitro* culture of filarial parasites’ at National Institute of Health Research and Development, Jakarta.
16. **Dr. M.V.R. Reddy** received WHO/UNDP/World Bank-TDR Fellowship-1983 for four months training in Hybridoma technique at Harvard School of Public Health, Boston, USA (Dec 1983 – April 1984) & Two weeks training on ‘Immunoradiometric assay (IRMA) for Filariasis’ at John’s Hopkins University School of Medicine.

Awards / Fellowships received by PG and Ph.D. students:

1. **Ms. P. S. Bhoj** received PS Murthy Best Paper Award, AMBICON – 2015, held at Chandigarh.
2. **Ms. M. Hivre** received the MGIMS Best Paper Award from the Association of Clinical Biochemists of India in ACBICON 2012 at Ranchi, December 11-14, 2012.
3. **Ms. K. Pote** received PS Murthy Best Paper Award, AMBICON – 2011 Gwalior.

Fellowships

- I. **Ms. Sheha Hande** received Rajiv Gandhi National Fellowship for Rsearch awarded to pursue Ph.D. Degree.
- II. **Mr. R. S. P. Yadav** received Travel Fellowship Award from Federation of Immunological Societis of South Oceania and Fellowship award from Indian Immunogical Society at FIMSA Conference held at New Delhi during March 14-17, 2012.
- III. **Mr. N. Amdare** received Received IIS Bursary award for paper presented at IMMUNOCON 2012 held at BHU, Varanasi 9-11th November, 2012.
- IV. **Mr. V. Khatri** received Received IIS bursary award for paper presented at IMMUNOCON 2012 held at BHU, Varanasi November 9-11, 2012.

Quiz Winners

- i. First MBBS students of 2015 Batch **Ms. Mehek Saini** and **Ms. Shambhavi Chowdhary** won the first prize at Vidarbha zonal level Inter-college Quiz competition organized by Dept. Of Biochemistry,

Vasantrao Naik GMC, Yevatmal held on 16th march, 2016 in which teams from eight medical institutes of Vidarbha participated.

- ii. First MBBS students of 2014 batch **Anirudh Iyengar** and **Shrinidhi Datar** had participated in the Biochemistry quiz held at NKP salve medical college, Nagpur and secured 3rd rank among the 8 institutes which had participated in quiz.

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

2011-2012

Theme	Workshop on "Communication skills, aptitude and professional behaviour for first MBBS students"
Organizers	Faculty: Depts. of Biochemistry, Anatomy, Physiology
Date	9 Dec. 2011
No. of Delegates	65 students of 1st MBBS
Key Topics	Importance of communication, Barriers of communication, Written communication skills, Verbal and non-verbal communication skills and Presentations, Interpersonal relations; Role of soft skills and etiquettes in communication
Resource persons	Dr R. Singh, Dr M.V.R. Reddy, Dr K. Goswami, Dr A. Tarnekar, Dr J. Waghmare, Dr S.Pawar

2012-2013

Title and Theme	Training Course on "Immunological & molecular techniques as applied for infectious disease research"
Date	January 28 to February 2, 2013
Organizers	Dr M.V.R. Reddy
No. of delegates	16 participants & 9 Faculty members & 4 Research Fellows
Resource persons	Internal Faculty: Dr. M.V.R. Reddy, Dr. K. Goswami, Dr. B.C Harinath & Dr Mrs.P.Narang Research Fellows: Ms. K.Pote, Mr.R.Yadav, Mr. V. Khatri, Mr. N.

	<p>Amdare</p> <p>Guest faculty: Dr. P.Prasad, Senior Scientist, Centre for Biological Signalling Studies (bioss), University of Freiburg, Germany Dr. Debabrata Dash, Professor & Head, Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi. Dr. D.N. Rao, Professor, Department of Biochemistry, AIIMS, New Delhi. Dr. Indu Verma, Professor, Department of Biochemistry, PGIMER, Chandigarh. Dr. Subhash Chandra Parija, Director-Professor and Head, Department of Microbiology, Jawaharlal Institute of Post graduate Medical Education and Research (JIPMER), Puducherry.</p>
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2013-2014

Theme	Training Course on "Immunological & molecular techniques as applied for infectious disease research"
Date	February 24 - March 1, 2014
Organizer	Dr. M.V.R. Reddy
Delegates	16 participants & 9 Faculty members & 4 Research Fellows
Resource persons	<p>Internal Faculty: Dr. M.V.R. Reddy, Dr. K.Goswami, Dr.B.C. Harinath & Dr. (Mrs). P. Narang Lab Resource persons: Mrs. K.Pote, Mr. R. Yadav, Mr. V. Khatri, N. Amdare, Ms. S.Hande, Ms. P.Bhoj</p> <p>Guest faculty: Dr. H. Gautam, Sr. Principle Scientist, Institute of Genomics and Integrative Biology, New Delhi. Dr. ChiranjayMukhopadhyay, Professor and Head, Clinical Microbiologist and infectious diseases Specialist, Department of Microbiology, Kasturba Medical College, Manipal. Dr. Kashi Nath Prasad, Professor, Department of Microbiology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow. Dr. TusharMaiti, Assistant Professor, Regional Center for Biotechnology, Gurgaon.</p>
Key topics	<p>Lectures: Lymphatic filariasis: Development of diagnostic and prophylactic tools: Mycobacterial secretory proteome with ES-31, ES- 41,ES-43, ES-20, ES-38 and ES-6 proteins of diagnostic interest and serine protease as</p>

	<p>cell marker and drug target:Recent advances of microbial diversity and its application in diseases management:Bench to bedside – Translational Research Experience in exploring a neglected killer disease in India: Melioidosis:Nanotechnology and its impact in filarial drug research:Immunodiagnosics of Cysticercosis:Proteomics and its implications in biomedical research:Laboratory diagnosis of tuberculosis : An update</p> <p>Lab techniques: Cloning, expression, & purification of recombinant proteins, PCR & Real-time PCR, Immunodiagnosics, Immuno-modulatory, cellular and cytokine assays, SDS-PAGE, 2D-Gel electrophoresis & Western blotting</p>
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Theme	Workshop on “Communication skills, aptitude and professional behavior for first MBBS students”
Co-ordinator	Dr. K. Goswami
Date	26 July 2013
No. of Delegates	100 students of 1st MBBS
Key Topics	Importance of communication, Barriers of communication, Writtencommunication skills, Verbal and non-verbal communication skills and Presentations,Interpersonal relations; Role of soft skills and etiquettes in communication
Resource persons	Dr. M.V.R. Reddy, Dr. M.R.Shende, Dr. A.R.Chaudhari, Dr. K. Goswami,Dr. A.M. Tarnekar, Dr. J.E. Waghmare, Dr. S.Pawar, Dr. V.Shende

2014-2015

Title and Theme	20th Training Course on "Immunological & molecular techniques as applied for infectious disease research"
Date	February 2-7 , 2015
Organizers	Dr. M.V.R. Reddy
No. of delegates	16 participants
Resource persons	Internal Faculty: Dr. M.V.R. Reddy, Dr. K.Goswami & Dr. B.C. Harinath Research fellows: Mr. V. Khatri, Mr. N. Amdare, Ms. P. Bhoj.

	<p>Ms. M.Nakhle, Ms. D.Bodade, Mr. N. Togle</p> <p>Guest Faculty: Dr. P. Usha Sarma, Emeritus scientist at Plant pathology division IARI, New Delhi. Dr. ChiranjayMukhopadhyay, Professor and Head, Clinical Microbiologist and infectious diseases Specialist, Department of Microbiology, Kasturba Medical college, Manipal.; Dr. S.L. Hoti, Scientist 'F' and Deputy Director, Regional Medical Research Centre (ICMR), Nehru Nagar, Belgaum. Dr. Rajpal Singh Kashyap, Senior Research Scientist, Biochemistry research laboratory Central India institute of medical Sciences, Nagpur.</p>
Key topics	<p>Lectures: Filarial parasite products as therapeutic immunomodulators for autoimmune diseases, In house molecular diagnostics tests in neuroinformatics, Antibiotic Resistance: Current Concepts and Challenges, Recent trends in aspergillus research and clinical applications, Update on diagnostics of dengue and chikungunya. Use of genomic And proteomic databases for anti-filarial drug development</p> <p>Lab techniques: Molecular biology techniques: PCR amplification, cloning expression and purification of recombinant proteins and real time PCR Immunological techniques: CIEP & Double diffusion, cellular, cytokine assays and NO estimation assay Analytical techniques: AO/EB staining for detection of apoptosis, Dialysis and Ultra-membrane Filtration, Freeze Drying (Lyophylization), Counter Current Immuno Electrophoresis, SDS-PAGE, 2D-Gel electrophoresis, Western blotting.</p>

2015-16

Title and Theme	Workshop on "Communication skills, aptitude and professional behavior for first MBBS students"
Date	August, 2015
Organizers	Dr. K. Goswami (Co-coordinator) and Faculty of three pre-clinical Departments
No. of delegates	65 students of 1st MBBS
Resource persons	Dr. M.V.R.Reddy, Dr. M.R. Shende, Dr. A. Chowdhury, Dr. S. Kumar, Dr. K. Goswami, Dr. A. Tarnekar, Dr. J.E. Waghmare, Dr. Sachin Pawar& Dr. V. Shende

Key topics	Importance of communication; Barriers of communication; Writing communication skills; Verbal & Non-verbal communication skills & Presentations; Interpersonal relation; Role of soft skills & Etiquettes in communication.
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Title and Theme	21th Training Course on "Immunological & molecular techniques as applied for infectious disease research"
Date	February 22-27 , 2016
Organizers	Dr. M.V.R. Reddy
No. of delegates	14 participants
Resource persons	<p>Internal Faculty: Dr. M.V.R. Reddy, Dr. K.Goswami Research fellows: Mr. V. Khatri, Mr. N. Amdare, Ms. P. Bhoj. Ms. M. Nakhle, Mr. N. Togle, Ms. D. Bodade</p> <p>Guest Faculty: Dr. Suman Lal, Associate Professor, Department of Pathology & Microbiology, NYU, Langone Medical centre, New York, USA; Dr. Rajpal Singh Kashyap, Sr. Research Scientist, Biochemistry & Research laboratory Central India institute of Medical Sciences, Nagpur.</p>
Key topics	<p>Lectures: Filarial parasite products as therapeutic immunomodulators for autoimmune diseases; Simple diagnostic tests for TB: Challenges and Possibilities;M. bovis in human cerebrospinal fluid samples from central India: Neglected zoonotic tuberculosis;Molecular epidemiology of <i>Orientiatsutsugamushi</i>; Therapeutic implications of parasitic apoptosis: Polyphenols and beyond.</p> <p>Lab techniques:</p> <p>Molecular biology techniques: PCR amplification, cloning expression and purification of recombinant proteins and real time PCR Immunological techniques: CIEP & Double diffusion, cellular, cytokine assays and NO estimation assay Analytical techniques: AO/EB staining for detection of apoptosis, Dialysis and Ultra-membrane Filtration, Freeze Drying (Lyophilization), Counter Current Immuno Electrophoresis, SDS-PAGE, 2D-Gel electrophoresis, Western blotting. <i>In vitro</i> cellular experiments: <i>In vitro</i> immunomodulatory assay, Antigen driven cell proliferation assay, <i>In vitro</i> drug screening assay.</p>

ANNEXURE VII: PAPER PRESENTATIONS

2011-2012

Dr. M.V.R. Reddy

- Presented paper entitled "How do undergraduate medical students perceive research?" at the South East Asian International and Indian National Conference on Health Professions Education held at PSG Institute of Medical Sciences & Research, Coimbatore, India, September 5th to 8th, 2012.

2012-2013

Dr. M.V.R.Reddy

- Presented paper entitled "How do undergraduate medical students perceive research?" at South East Asian International and Indian National Conference on Health Professions Education held at PSG Institute of Medical Sciences & Research, Coimbatore, India, September 5th to 8th, 2012.

Dr. K. Harley

- Presented paper on "Evaluation of CSF-Cholesterol, triglycerides and electrolytes in neurological disorders" in 20th National Conference of the Association of Medical Biochemists of India (AMBICON-2012) at Bhubaneswar, December 8-10, 2012.

Dr. P. Waghmare

- Presented paper entitled "SEVA TB ELISA – Multi antigen and antibody assays for serodiagnosis of suspected cases of pulmonary and extra pulmonary tuberculosis in tertiary care hospital – A retrospective study" in Conference on 'Biomarkers in Health and Diseases' at National Institute of Miner's Health, Nagpur, February 21 - 22, 2013.

2013-2014

Dr. S. Kumar

- Presented paper on "hpvPDB : an online Proteome Reserve for Human Papillomavirus" in 2013 NextGen Genomics & Bioinformatics Technologies (NGBT) Conference hosted by SRF & CSIR-IGIB at New Delhi, November 14-16, 2013.

Dr. K. Harley

- Presented Paper on "Assessment of selenium and glutathione peroxidase in acute myocardial infarction" in ACBICON 2013 at New Delhi, December 3-5, 2013.

Dr. K. Mohod

- Presented Paper on “A putative nexus between microalbuminuria and triglyceride metabolism in diabetes” in ACBICON 2013 at New Delhi, December 3-5, 2013.

2014-2015

Dr. K. Harley

- Presented a paper on “Perception of medical students regarding the merits and demerits of e-resources” at conference held by AMBI-BIOCON state chapter-II Mumbai during 26-27 Feb, 2015.

Dr. P. Waghmare

- Presented paper entitled “An antitubercular potential of *Salicornia brachiata*, a halophyte - an *in vitro* study” at International Symposium on "Dynamics of the Indian Ocean: Perspective and Retrospective" at National Institute of Oceanography, Goa during November 30 – December 4, 2015.

ANNEXURE VIII MD/ MS THESES

2011

Dr. Sameer Khan

Assessment of anti-inflammatory activity and therapeutic potential of filarial protein in inflammatory arthritis using rat model

Dr. Abhijit Ninghot

Comparative assessment of biochemical and immunological markers in tuberculosis

2012

Dr. Azmat Kamal Ansari

Study of cord blood lipid profile at a tertiary level rural hospital

Dr. Suraj P Wagh

Study of therapeutic potential of certain herbal agents against human lymphatic filarial nematode and exploration for possible rationale

2013

Dr. Jayshri Jankar

Study of cord blood lipid profile at a tertiary level rural hospital

2014

Dr. Trupti Lende

Correlation of ADA with IFN gamma, TNF alfa and interleukin 8 in tuberculosis

Dr. Suman Kumar Singh

Evaluation of rWb12 based IgG 4 antibody assay in the diagnosis of Bancroftian Filariasis.

2015

Dr. Param Kar

Quantitative evaluation of Paraoxonase-1 enzyme activity and oxidative strain in oral mucosal cancer to assess malignant transformation.

Dr. Prasanth Chandankhede

Study of clinico-epidemiological profile of patients seeking assessment of lipid panel markers in a tertiary care rural hospital and its diagnostic implications

DEPARTMENT OF PHARMACOLOGY

1. Name of the Department: Pharmacology
2. Year of establishment: 1970
3. Is the Department part of a college/Faculty of the university?: Yes (MGIMS, Sevagram)
4. Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.):
MBBS, MD Pharmacology, Ph.D.
5. Interdisciplinary programs and departments involved-
 - Bioethics with Anatomy, Physiology, Medicine dept. involvement.
 - PG Posting (Dermatology, Psychiatry, Biochemistry, Pathology, Medicine, Pediatrics)
 - Integrated teaching (Department involved Pathology, Microbiology)
 - Thesis topic connected with other dept (Psychiatry, Biochemistry, Pathology, Medicine)
6. Courses in collaboration with other universities, industries, foreign institutions, etc; Nil
7. Details of programs discontinued, if any, with reasons - Nil
8. Examination System: Annual/ Semester/Trimester/Choice Based Credit System –
 - MBBS: Internal assessment (for 1st and 2nd term), Preliminary exam and final university exam.
 - PG : University exam at the end of 3 years.
9. Participation of the department in the courses offered by other departments: Yes
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor/Reader	2	2	0
Assistant Professor	2	2	2

Lecturer	1	1	0
Tutor / Clinical Instructor	2	2	2
Senior Resident	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	Years of Experience
Dr. Sushil Kumar Varma	MD Pharmacology PGDHHM	Professor & Head	Pharmacology	23years
Dr. Devesh Gosavi	MD Pharmacology	Associate Professor	Pharmacology	17.5 years
Dr. Ranjana Kale	MD Pharmacology Professional Cert. in Pharmacovigilance Professional Diploma in Clinical Research	Associate Professor	Pharmacology	15.5 years
Dr. Leena Chimurkar	MD Pharmacology Professional Cert. in Pharmacovigilance Professional Diploma in Clinical Research	Assistant Professor	Pharmacology	11.5 years
Dr. Mohan Pethe	MD Pharmacology PGDGM	Assistant Professor	Pharmacology	6.10 years
Mr.G.D.Saluja	M Pharm DBM	Pharmacist - Lecturer	Pharmacology	35 Years
Dr. Ranjeet Kumar Dr. Narendra Mundale Dr. Bhalchandra Awari Dr. Sarju Zilate Dr. Nipun Makar Dr. Sanjay Nanotkar Dr. Arup Misra Dr. Thaware Prfulla Pralhad	MBBS	Demonstrator		2016 2016 2016 2016 2015 2015 2015 2014 2014 2014 2014

Dr. Bahekar Satish				2013
Ek Nath				2013
Dr. Nanotkar				2013
Sanjaykumar B.				2013

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors - Nil
 13. Percentage of classes taken by temporary faculty – program-wise information – No temporary faculty.
 14. Program-wise Student Teacher Ratio – (UG 1:10, PG 1:1) 14.
 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual –

	Sanctioned	Filled	Actual (including CAS & MPS)
Junior Clerk	1	1	1
Lab technician	2	2	2
Attendant	2	2	2

16. Research thrust areas as recognized by major funding agencies –
1. **Reverse Pharmacology**
 2. **Pharmacovigilance**
 3. **Immunomodulatory and Antioxidant activity**
 4. **Anti-inflammatory analgesic activity**
 5. **Wound healing activity**
 6. **Neuropsychopharmacology**
 7. **Antidiabetic activity**
 8. **Anti-Ulcer activity**
 9. **Anti-platelet activity**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Pharmacovigilance Programme of India
Center:- Indian Pharmacopoeias Commission (IPC) Ghaziabad
Regional Center:- MGIMS, Sevagram
Coordinator:- Dr. Sushil Kumar Varma

18. Inter-institutional collaborative projects and associated grants received
 a) National collaboration b) International collaboration : Nil
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with
- state recognition : Faculty are recognised by MUHS, Nashik)
 - national recognition for Pharmacology : Pharmacovigilance centre
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies: NA
22. Publications:
- Number of papers published in peer reviewed journals (national / international) –43 (Annexure – I A)
 - Monographs
 - Chapters in Books -
Books edited – 1 (Annexure I C)
 - Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - Citation Index – range / average
 - SNIP
 - SJR
 - Impact Factor – range / average - 0.50 to 3.8
 - h-index -7
23. Details of patents and income generated – **1**
Pathak-Chimurkar assignment method of recording attendance and attendance based learning.(Annexure IX)
24. Areas of consultancy and income generated –
Institute policy does not permit any financial incentives to be taken for consultancy.
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad –(Annexure II)
- 26 Faculty serving in
a)National committees b) International committees c) Editorial Boards d) any other (specify) –(Annexure III)
All departmental faculty are members of national Pharmacology Organizations like IPS, IPPS, & ISRPT
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). – (Annexure- IV B &C)

28. Student projects
- percentage of students who have taken up in-house projects including inter-departmental projects – All postgraduates (Annexure- VIII)
29. Awards / recognitions received at the national and international level by (Annexure- V)
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.- (AnnexureVI)
- 31 Code of ethics for research followed by the departments – Yes, all project approved by Institutional Ethics committee and Institutional Animal Ethics Committee

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES					
MBBS 2015	12871	46%	54%	100.00%	97.87%
MBBS 2014	15555	48%	52%	86.95%	100.00%
MBBS 2013	8119	53%	47%	93.54%	100.00%
MBBS 2012	16003	52%	48%	88.24%	100.00%
MBBS 2011	12518	51%	49%	93.48%	100.00%
POSTGRADUATES					
2015	247	50%	50%	100.00%	-
2014	265	100%	-		
2013	191	66.3%	33.6%		
2012	149	-	100%	-	100.00%
2011	205	33.3%	66.6%	33.33%	66.67 %

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBBS	selected through common PMT from all over the country			
MD Pharmacology				

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. – Not applicable

35. Student progression –

Student progression	Percentage against enrolled
UG to PG	Done through national selection method
PG to M.Phil, DM / M Ch / DNB	Not Recorded
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	NA
• Other than campus recruitment	NA
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	1(20%)
from other universities within the State	3(60%)
from universities from other States	1(20%)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period - Nil

38. Present details of departmental infrastructural facilities with regard to

- Library – Separate departmental library with 310 Books.
- Internet facilities for staff and students – Available for Staff & Students.
- Total number of class rooms 1No.
- Class rooms with ICT facility and ‘smart’ class rooms – 01 all classrooms are wi-fi available
- Students’ laboratories - 02
- Research laboratories - 01

39. List of doctoral, post-doctoral students and Research Associates NIL

- from the host institution/university
- from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. – All (9)

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
This exercise is undertaken at the level of MUHS. The staff members who are on Board of Studies represent our feedback to the university.
42. Does the department obtain feedback from -
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes. Through regular departmental meetings. Modifications are made depending on issues raised
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes. Institute collects feedback directly from students. This is circulated to departments for improvement of their teaching
 - alumni and employers on the programs offered and how does the department utilize the feedback?
This is done at institutional level
43. List the distinguished alumni of the department (maximum 10) –
1. Dr. Sushil Kumar Varma
 2. Dr. Mohan Pethe
 3. Dr. Smita Karpate
 4. Dr. Pooja Reddy
 5. Dr. Shailesh Nagpure
 6. Dr. Sanjay Nanotkar
 7. Dr. Praful Thaware
 8. Dr. Pallavi Dhanvijay
 9. Dr. Satish Bahekar
 10. Dr. Vikrant Wanmali
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. –
Nil
45. List the teaching methods adopted by the faculty for different programs including clinical teaching. –
1. Interactive teaching
 2. Integrated teaching
 3. Peer teaching in Practical lab.
 4. Small group discussions on topic as per the need of student.
 5. Tutorials.

6. Faculty training in e-learning has been done. We are in the process of preparing e-learning modules
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Evaluation of MBBS done through results of university examination and internal assessment
 - Feedback from students and faculty helps in monitoring course and taking corrective action .
 - Discussions in Curriculum committee and College Council ensure that guidelines of MUHS are followed.
47. Highlight the participation of students and faculty in extension activities: Pharmacovigilance
48. Give details of “beyond syllabus scholarly activities” of the department. –
- The Pharmacovigilance centre provides information about drugs, and adverse drug reactions to doctors, nurses and paramedical staff
 - We encourage students to take part in Vidarbha level Quiz
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. –
- MBBS – approved by MCI
 - MD Pharmacology recognition date -10/07/1995
 - PhD recognition date –14/02/1985
 - NAAC Accreditation upto sept.2016.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. –
- Pharmacovigilance Centre-** The Department is recognized as a regional Pharmacovigilance center by Govt. of India. It collects data of adverse drug reactions and sends the reports to the National ADR centers for further analysis from Vidarbha region. It provides services for pharmacodynamic drug estimation on request from the Clinical Departments.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Full staff available throughout the year.
- Good infrastructure and learning resources are available.

- Faculty put in dedicated efforts for updating themselves with latest needs/requirements for teaching-learning.
- Research environment is conducive and all are actively involved.
- The department is engaged in collecting, reporting and analyzing adverse drug reaction data.

Weaknesses:

- University syllabus needs to be constantly updated
- Departmental facilities need more resources and opportunities for research and publications

Opportunities:

- To create awareness in public about Adverse Drug Reaction for health care.
- To engage in research about indigenous drugs used in Indian systems of medicine
- To educate science students of school-colleges during their visit to departmental museum.
- To teach students the ethics related to drug industry and clinical practice

Challenges:

- To keep students updated with latest drugs and engage in lifelong learning
- Faculty needs to keep using more interesting methods for teaching students Pharmacology: E-learning and quizzes are an interesting option.
- Collaborating with other departments and conducting more integrated teaching sessions to make learning meaningful for students

52. Future plans of the department:

- Developing E- Learning Modules using Moodle.
- Creation of Drug information Centres
- Involving private practitioners in Pharmacovigilance Project of India.

ANNEXURES FROM DEPARTMENT OF PHARMACOLOGY

ANNEXURE-I A PUBLICATIONS (2011-2016)

2011-12

1 Premendran SJ, Salwe KJ, Pathak S, Brahmane R.

Anti-cobra venom activity of plant *Andrographis paniculata* and its comparison with polyvalent anti-snake venom.
J Natural Sci Biol Med 2011; 2 (2): 229-235 (PMID: 22346236)

- 2 **Bera T, Sadhukhan SK, Premendran JS.**
A longitudinal study on health expenditure in a rural community attached to Mahatma Gandhi Institute of Medical Sciences, Sevagram, Maharashtra
Indian J Public Health 2012; 56 (1): 65-8 (PMID: 22684177)
- 3 **Premendran SJ, Salwe KJ, Pathak S, Brahmane R.**
Neutralisation of Russel viper venom by *Andrographis paniculata* and its comparison with polyvalent anti-snake venom.
J Natural Pharmaceuticals 2011; 2 (2): 198-204
- 4 **Gosavi DD, Premendran SJ**
Effect of Panchagavya ghruta on some neuropharmacological parameters in rats.
Asian J Pharmaceutical Clinical Res 2012; 5(1): 154-56
- 5 **Gosavi DD**
Pharmacogenomics: Promises and challenges
Int J Res Pharmaceutical Biomed Sci 2011; 2 (4) : 1444-46
- 6 **Gosavi DD, Kale R**
Effects of *bilwadi churna* on experimentally induced wound healing in rats.
Int J Res Pharmaceutical Biosciences 2012; 3(1) : 20-24
- 7 **Gosavi DD, Akanksha S, Nanotkar S.**
Phenytoin induced gum hyperplasia: A case report
Asian J Pharmaceutical Clinical Res 2012; 5 (1): 10-11
- 8 **Gosavi DD.**
Acyclovir acts in plants.
Int J Adv Pharmacy Biol Chem 2012; 1 (1):62

2012-13

- 9 **Verma SK, Kar S, Misra AK, Singh N.**
Irritant dermatitis due to Brimonidine tartrate ophthalmic solution.

J Phytotherapy Pharmacol 2013; 2(1): 15 – 17.

- 10 Misra AK , Verma SK.**
An overview of pharmacotherapy of obesity: An update.
Int J Pharm Sci Res 2013; 4(3):881-90.
- 10 Misra AK, Nagpure S, Verma SK.**
A case report of amisulpride induced flagellate erythema followed by pigmentation and photosensitivity in a schizophrenic patient
Asian J Pharm Clin Res 2013; 6(1):163-4.
- 11 Gosavi DD, Reddy PS.**
Drug Allergy: A Review.
Int J Res Pharmaceutical Biomed Sci 2012 Apr-Jun ; 3(2):834-39.
- 12 Verma SK, Gosavi DD, Jaybhaye D, Giri S, Dhanvijay PV.**
Estimation of the anti-ulcer properties of ketotifen in aspirin and swimming stress induced albino rats.
Int J Pharm Pharm Sci 2012; 4(Suppl 3):538-540.
- 13 Reddy P, Gosavi DD, Varma SK.**
An overview of geriatric pharmacology.
Asian J Pharmaceutical Clin Res 2012; 5(Suppl 4): 25-30.
- 14 Reddy P, Gosavi DD, Reddy S.**
Lifestyle drugs.
Int J Pharm Pharm Sci 2012; 4 (Suppl 5): 43-45.
- 15 Sachdev DO, Gosavi DD, Salwe KJ.**
Evaluation of antidiabetic, antioxidant effect and safety profile of *gomutra ark* in Wistar albino rats.
Anc Sci Life 2012 Jan; 31(3):84-9.
- 16 Bahekar SE, Kale RS, Nagpure SR.**
A review on medicinal plants used in scorpion bite treatment in India.
Mintage J Pharmaceutical Med Sci 2012:1(1):1-7.
- 17 Bahekar SE, Kale RS.**
Phytopharmacological aspects of *Manihot esculenta crantz*(Cassava)-A review.

Mintage J Pharmaceutical Med Sci 2013; 2(1): 4-5.

- 18 Bahekar SE, Kale RS.**
Sildenafil induced urinary incontinence: A rare case report.
Indian J Med Case Reports 2013; 2(1):1-2.
- 19 Chimurkar L, Jha RK, Jha AR, Chimurkar VK, Kale BP.**
Free radical scavenging activity of *Glycyrrhiza glabra*, *Tinospora cordifolia*, and *Withania somnifera*: A comparative in vivo study in CCL4 induced hepatotoxicity in albino rats.
Int J Pharmacol Bio Sci; 6(2):17-25.
- 20 Jha AR, Patel SS, Chimurkar L.**
Comparison of atropine sulfate and scopolamine hydrochloride in modifying LD50 of Malathion in albino mice: An experimental study.
JDMIMSU 2012; 7(3):179-182.
- 21 Chimurkar L, Jha RK, Pise ND, Chimurkar VK, Kale BP, Manjrekar P.**
Comparison of antioxidant potential of some herbal formulations: in vitro assessment of DPPH and peroxy radical scavenging activity.
JDMIMSU 2012; 7(4):239-242.
- 22 Pise ND, Patel SS, Wanjari A, Chimurkar L.**
Pharmacoeconomic study of single and multiple antimicrobial agents prescribed in AVBR Hospital Sawangi (Meghe), Wardha.
JDMIMS 2012; 7(4):234-238.
- 2013-14**
- 23 Gosavi DD, Suman A, Jain M.**
Sodium valproate induced increased frequency of micturition and enuresis.
Indian J Pharmacol 2013; 45 (1):87-88. (PMID: 23543036)
- 24 Bahekar S, Kale R.**
Phytopharmacological aspects of *Manihot esculenta crantz* (cassava) - A review.
Mintage J Pharm Med Sci 2013; 2(1): 4-5.
- 25 Bahekar S, Kale R.**

- Sildenafil induced urinary incontinence: A rare case report.
Indian J Med Case Reports 2013; 2(1): 1-2
- 26 Bahekar S, Kale R.**
Snake bites: Role of medicinal plants in management.
Innovare J Life Sci 2013; 1(1):19-22
- 27 Bahekar S, Kale R.**
FDA's New drug review process: An overview from official website
J Drug Discovery Ther 2013; 1(4): 40-43
- 28 Nagpure S, Kale R, Varma SK, Bahekar S.**
Impact of educational intervention on knowledge, attitude and practice of pharmacovigilance among medical graduates of rural tertiary care, teaching hospital of central India.
Mintage J Pharm Med Sci 2013; 2(2): 51 – 54
- 29 Kale R, Bahekar S, Rapelliwar A, Varma SK.**
Allopurinol induced toxic epidermal necrolysis (TEN): A rare adverse drug reaction.
Bulletin of Adverse Drug reactions 2013; 3(2):20-23
- 30 Bahekar S, Kale R, Nagpure SR, Salwe KJ.**
Anti-scorpion venom activity of *Andrographis paniculata*; A combined and comparative study with anti-scorpion serum in mice.
Ancient Science of life 2013; 32(3): 156 – 160.
- 31 Misra AK, Bahekar S, Kale R, Varma SK.**
Drug interaction induced hemodynamically mediated acute renal failure in postsurgical patient.
Med J D Y Patil Univ 2014; 7: 359-61.
- 32 Reddy PS, Gosavi DD, Kale R.**
Instrumentation: Basic concepts and current regulatory framework.
IntJ Pharmacy Pharm Sci 2013; 5(4): 1- 3
- 33 Dhanvijay P, Misra AK, Varma SK.**
Diclofenac induced acute renal failure in a decompensated elderly patient.

J Pharmacol Pharmacother 2013; 4: 155-7. (PMID: 23761717)

- 34 Varma SK, Nagpure S, Misra AK, Dhanvijay P.**
Fixed drug eruption due to fixed dose combination: A novel case.
Int J Health Allied Sci 2013; 2: 130-2
- 35 Varma SK, Sutradhar S, Misra AK.**
Levofloxacin and furazolidone induced toxic epidermal necrosis.
Indian J Pharmacol 2013; 45: 625-6 (PMID: 24347775)
- 36 Misra AK, Thaware P, Sutradhar S, Rapelliwar A, Varma SK**
Pharmacovigilance: barriers and challenges
Mintage J Pharma Med Sci 2013; 2(2): 35-36.

2014-15

- 37 Bahekar S, Kale R.**
Antidiarrhoeal activity of ethanolic extract of *Manihot esculentacrantz* leaves in wister rats.
J Ayurveda Integr Med 2015; 6(1): 35-40. (PMID: 25878462)
- 38 Chimurkar LV, Reddy P, Varma SK.**
Pharmacoeconomic study of various brands of antipsychotic medications.
Int J Pharmacol Ther 2014; 4(1):19-22.
- 39 Choure B, Gosavi D, Nanotkar S.**
Comparative cardiovascular safety of risperidone and olanzepine based on electrocardiographic parameters and blood pressure: A prospective open label observational study,
Indian J Pharmacol 2014; 46(5): 493-97. (PMID: 25298577)
- 40 Chimurkar LV, Pathak S.**
New methods of recording attendance in pharmacology: Comparative study.
Res J Pharma Biol Chem Sci 2015; 6(1):1225-1232.

2015-16

- 41 Varma SK, Thaware P, Bhanse S, Kasle K, Nagrale N.**
Study of antipyretic activity of *Parthenium hysterophorus* in rat.
J Int Arch Biomed Clin Res 2016; 1: 20

- 42 Kirde S, Karthik VP, Varma SK**
In-vitro hydrogen peroxide scavenging activity of ethanolic extract of *Canthium coromandelicum*.
Paripex- Indian J Res 2016; 5(2): 12-14.
- 43 Gosavi DD**
Role of waiting-line model in reducing the patients' waiting time in the Emergency department.
J Med Sci Clin Res 2015; 3(12): 8572-8578.

ANNEXURE I C: BOOK PUBLISHED

Deepali Jaybhaye, Sushil Kumar Varma , Amol Gite
Tectona Grandis Miracle for Modern Medicine
LAMBERT Academic Publishing Agency, 2012
ISBN – **ISBN-978-659-10966-9**

ANNEXURE II: GUEST LECTURES

Gosavi D.D.

1. Ethical issues in clinical research. (*Guest Lecture*)
Basic Workshop in Research Methodology
Govt. Ayurved College, Osmanabad
2. How to critically appraise a research article? (*Guest Lecture*)
Basic Workshop in Research Methodology
Govt. Ayurved College, Osmanabad

Chimurkar L.

3. HIV: An overview. (Guest Lecture)
JNMC, Sawangi (Meghe), Wardha, 25 Mar 2013.
4. Bioethics & Communication skills (Guest Lecture)
Workshop on Bioethics for 1 year student in orientation camp, 19th July 2015, MGIMS, Sevagram, Wardha.
5. Teratogens & their effects in urban and nursing infants (Guest Lecture)
CME on Research scope in Embryology. Anatomy dept., JNMC
Sawangi, Wardha 29th Dec 2014.

ANNEXURE III: INSTITUTIONAL AND EXTRAINSITUTIONAL RESPONSIBILITIES

Dr. Sushil Kumar Varma,
Board of Studies member of MUHS Nashik

Dr. Ranjana Kale
E-learning group member

Dr. Gosavi DD
Joint Coordinator, IQAC
NAAC Steering committee member

Dr. Leena Chimurkar
Bioethics Committee Member

Dr. Mohan Pethe
Institutional CAP Incharge

ANNEXURE IV A: CONFERENCES ATTENDED

2011-12

- 1 Pharmacology Kale R, Thakur P, Shinde B, Akanksha, Misra A.**
International Conference on “Challenges Ahead in Translational Pharmacology”-44th Annual Conference of Indian Pharmacological Society
KMC, Manipal, 19-21 Dec 2011
- 2 Nagpure S, Gulhane H.**
South Asian Chapter of American College of Clinical Pharmacology -
5th International Annual Conference “Clinical Pharmacology – Discovery,
Development and Beyond”
KEM, Mumbai, 27-28 Aug 2011
- 3 Varma S, Gosavi DD, Kale R, Reddy P, Dhanvijay P, Nagpure S,
Gulhane H, Suman A, Mishra A, Bahekar S, Nanotkar S.**
Challenges in Pharmacovigilance.
NKP Salve Medical College, Nagpur, 14 Nov 2011

- 4 Dhanvijay P , Nagpure S, Gulhane H, Misra A, Thaware P.**
Update on sinus infections
MGIMS, Sevagram, 31 Mar 2012

2012-13

- 5 Pharmacology Dhanvijay P, Suman A, Thaware P, Chaure B, Rapelliwar A, Gajbhiye V, Sutradhar S**
International Conference on ‘Navigating Pharmacology towards Safe And Effective Therapy’, 45th Annual Conference of Indian Pharmacological Society, IPSCON 2012
Shrimati Kishoritai Bhoyar College of Pharmacy, Nagpur, 5-7 Jan 2013

2014-15

- 6 Kale RS.**
National Conference on Health Professions Education (NCHPE) 2014,
MGIMS, Sevagram, 24-27 Sep 2014
- 7 Kamdi A.**
Annual Conference Indian Society of Electrocardiology
Hotel Radison Blue, Nagpur, 7 - 8 Feb 2015

2015-16

- 8 Kirde S**
International Conference on Accreditation of Ethics Committee, Clinical Investigator and Clinical Trial Site, Sri Ramachandra University, Chennai,
28- 29 Oct 2015

ANNEXURE IV B: CMES ATTENDED

2012-13

- 1 Kale R**
MedEqSafe –INDIA (CME)
MGIMS, Sevagram, 22 Jan 2013

2013-14

- 2 Misra A, Rapelliwar A, Bahekar S, Nanotkar S**
CME ‘Pain Management – An Arena to Explore’
Department of Anesthesiology, MGIMS, Sevagram, 14 Jul 2013
- 3 Rapelliwar A, Mundale N.**

CME on 'Recent Advances in non communicable diseases.'
Department of Community Medicine, JNMC, Sawangi (M), Wardha, 1
Feb 2014

- 4 Mundale N, Awari B, Zhilate S.**
CME on Hepatitis Viruses: An Update.
Department of Microbiology,
Jawaharlal Nehru Medical College Sawangi (M), Wardha, 7 Jan 2014
 - 5 Mundale N.**
CME on 'Management of common pigmentary disorders.'
Department of Dermatology, MET Hall JNMC, Sawangi (Meghe), Wardha
 - 6 Mundale N, Zhilate S.**
CME on Current concepts and latest trends in caesarean section (Skill,
Will and Drill)
Dept. of Obstetrics & Gynecology, MGIMS, Sevagram, 28 Mar 2014
 - 7 Nanotkar S.**
Interdisciplinary CME on 'Immunity and Immunization',
Dept. of Pharmacology, DMIMS, Sawangi (Meghe), Wardha, 14 Feb,
2014
- 2014-15**
- 8 Chimurkar L.**
CME on Research scope in Embryology.
Dept. of Anatomy, JNMC, Sawangi, Wardha, 29 Dec 2014.
 - 9 Zilate S, Awari B, Mundale NS.**
CME on combat and control of vector born diseases.
Datta Meghe Institute of Medical sciences (JNMC), Sawangi, 31 Jan 2015
 - 10 Zilate S, Awari B, Chakraborty D, Singh PK, Kamdi A.**
Interdisciplinary CME on role of technology in health care.
Datta Meghe Institute of Medical sciences (JNMC), Sawangi, 26 Feb 2015

2015-16

- 11 Varma SK, Kale RS, Chimurkar L.**
National Symposium on Healthy Yoga Lifestyle Diseases and CME on
Role of Yoga, Nature,

Nutrition and Meditation in Promotion of Holistic Health
Arogyadham, JBTDRRC and Dept. of Biochemistry, MGIMS, Sevagram,
10-11 Sep 2015

- 12 Chimurkar L, Jankar BB, Das M, Kirde S, Singh PK, Chakraborty D.**
Interdisciplinary CME on History of Medicine
DMIMS, Sawangi, 26 Feb 2016

2015-16

- 13 Varma SK, Bhowre H.**
CME on Gender bias.
Maharashtra Medical Council, Nagpur, 10 Apr 2016

ANNEXURE IV B: COURSES ATTENDED

2012-13

- 1 Verma SK**
Refresher Course for HPLC
Mumbai, 23-24 Aug 2012

2015-16

- 2 Kale RS**
Fellowship in Medical Education
DMIMS, Sawangi, Jul 2015-Jun 2016

ANNEXURE IV C: WORKSHOPS ATTENDED

2011-12

- 1 Varma SK.**
Pharmacovigilance,
Indian Institute of Public Health, Delhi, 24 Mar 2012.
- 2 Kale R, Pethe M.**
ICMR Workshop for training in Reverse Pharmacology
MRC KHS Mumbai, 26 Mar- 9 Apr 2011

2012-13

- 3 Reddy P**
15th Workshop on Biomedical Informatics
MGIMS, Sevagram, 2 Dec 2012

2015-16

- 4 Chimurkar L.**
3T Bio-Ethics training program workshop for medical teachers.
MUHS, Nashik, 25-28 May 2015
- 5 Varma SK, Bhowre H.**
Advanced training on Pharmacovigilance,
Dept. of Clinical Pharmacology, Seth GSMC and KEM, Mumbai, 19 Mar
2016

ANNEXURE IV D: MET WORKSHOPS ATTENDED

2011-12

- 1 Pharmacology Mundale NS, Kumar R.**
Workshop on Data Analysis using EPI INFO 2000
MGIMS, Sevagram, 16 -21 Feb 2015

2012-13

- 2 Chimurkar L**
Basic Course in medical education technology
JNMC, Sawangi, 9-10 Oct 2012

ANNEXURE IV E: RESEARCH METHODOLOGY WORKSHOPS

2012-13

- 1 Verma SK**
Research methodology Workshop
GMC, Nagpur, 29-31 Oct 2012
- 2 Verma SK**
Research Methods Workshop Series
Indian Institute of Public Health, New Delhi, 21-24 Feb 2013.

ANNEXURE V: AWARDS AND FELLOWSHIPS

- 1 Dr. Mohan Pethe**
Fellowship in Diabetology, Medversity, Apollo Hospital, Delhi,
28 Jan 2014 - 28 Jan 2015
- 2 Kale RS**
Fellowship in Medical Education
DMIMS, Sawangi, Jul 2015-Jun 2016

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

International Conference on Neuropsychopharmacology: Miracles and progress of Neuropsychopharmacology in 21st century.

Organizing President : Dr SK Verma

Organizing Secretary : Dr P Khairkar

Date : 9-10 Feb 2013

No. of Delegates : 180

Key topics : Pouring of magic molecules in last 4 decades in Neuropsychopharmacology: Changing horizons, gaining insights, Do sex offenders need antiandrogen/ neuropsychopharmacological intervention?, Biological limits of psychopharmacology in the treatment of schizophrenia, Recent updates of pharmacological treatment of depression, Novel agents in drug dependence: never ending saga, Clinical Trials in Neuropsychopharmacology: Issues of Neuropsychopharmacology in special population, Risk and benefits of novel Neuropsychopharmacological molecules to heart, Utility and impact of magic molecules on Parkinson disease and dementia, Role of molecules of Neuropsychopharmacology in neuro trauma, Role of depot antipsychotics in the current era of psychopharmacology : Patient choice, patient adherence, and treatment efficacy, Three Famous Trials in Neuropsychopharmacology: A critical appraisal, Molecular advances in childhood onset ADHD, Neuropsychopharmacology of Dual Diagnosis: Drugs in the pipeline, or simply pipe dreams?, Neuropsychopharmacogenomics: conceptual reality or awaiting dream?, Discovery of Antidepressants: Blending past with future,

Key persons : V Vahia, A Avasthi, C Andrade, I Sharma, A Rady, L Bairy, A Gandhi, S Sontenni, M Baheti, A Agrawal, N Gupta, SP Kalantri, P Sharan, D Basu, S Pathak, R Ghosh

Funding agencies: K.H.S , ICMR

CME on Pharmacovigilance: Basic Concepts

Dr Pallavi Dhanvijay, Pharmacology

ANNEXURE VII - PRESENTATIONS

2015-16

1. Kirde SS, Karthik VP, Varma SK.

In-vitro hydrogen peroxide scavenging activity of ethanolic extract of *Canthiumcoromandelicum* 7th National Indian Society for Rational Pharmacotherapeutics conference on drug regulatory affairs and clinical rational pharmacotherapeutics (ISRPTCON-2015)
Department of Pharmacology, PGIMER, Chandigarh 5 - 6 Dec 2015

2. Kirde SS, Varma SK.

PC Dandiya prize session on Stem Cell Technology - A boon in the treatment of neurodegenerative diseases-an overview International Conference on Cutting-Edge Pharmacology: contemporary issues and future challenges and 48th Annual Conference of Indian Pharmacological Society (IPSCON-2015)
Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, 18-20 Dec 2015

3. Singh PK, Varma SK.

Study of antiulcer activity of hydro alcoholic extract of *Triticum aestivum* shoot in aspirin induced ulcer in rats. International Conference on Cutting-Edge Pharmacology: Contemporary issues and future challenges and 48th Annual Conference of Indian Pharmacological Society (IPSCON-2015)
Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, 18-20 Dec 2015

4. Chakraborty D, Kale RS.

Pattern of ADRs due to cancer chemotherapy in tertiary care teaching hospital in central India International Conference on Cutting-Edge Pharmacology: Contemporary Issues and Future Challenges and 48th Annual Conference of Indian Pharmacological Society (IPSCON-2015)
Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, 18-20 Dec 2015

ANNEXURE VIII MD THESES

- 1. Dr. Vikrant Wanmali Guide-Dr. Ranjana Kale**
Comparative Study of effects of Orlistat, sibutramine and rimonabant in obesity in rats and combined effect of these drugs with glibenclamide in diabetic rats.
- 2. Dr. Mohan Pethe Guide-R.K.Gupta**
3. Effect of Hibiscus (Jaswand) roots and flowers on experimentally induced diabetes mellitus in rats and rabbits.
- 4. Dr. Dipti Vimal Guide-Dr. D.D.Gosavi**
Reverse pharmacology of neuropharmacological effects of traditionally used ayurvedic preparations in experimental animals.
- 5. Dr. Bhawna Shinde Guide-Ranjana Kale**
Immunomodulatory & antioxidant activity of *Andrographis paniculata* and comparative study of this plant with *Tinospora scordifolia* in rats and mice.
- 6. Dr. Pooja Reddy Guide-R.K. Gupta**
Study on effect of piper betle leaf (PAAN) extract on pharmacodynamic and biochemical parameters in experimental animal.
- 7. Dr. Sapna Giri Guide-Dr. Sushil Kumar Varma**
To Study the anti-inflammatory, analgesic and wound healing activity of *Tectona grandis* Linn stem and leaf extract on rat and mice.
- 8. Dr. Pallavi Dhanvijay Guide-Dr. Sushil Kumar Varma**
Evaluation of anti-platelet aggregation activity of aspirin and clopidogrel in patients of acute coronary syndrome: in the scenario of anti-platelet drug resistance.
- 9. Dr. Shailesh Nagpure Guide-Dr. Ranjana Kale**
A prospective, randomized, double blind comparative study of efficacy, tolerability and adherence of once-monthly regimen of oral ibandronate and risedronate in postmenopausal osteoporosis of old and new leprosy patients at a rural leprosy centre.

10. **Dr. Akansha Suman** **Guide-Dr. D. D. Gosavi**
Pharmacovigilance of antiepileptic drugs in paediatric patients receiving antiepileptic drug therapy in rural population visiting tertiary care hospital.
11. **Dr. Prafulla Thaware** **Guide-Dr. Sushil Kumar Varma**
Analgesic, anti-pyretic, anti-inflammatory and wound healing activity of Pyrethrium Hysterophrous plant in experimental animals.
12. **Dr. Arup Misra** **Guide-Dr. Sushilkumar Varma**
Study of the diuretic, wound healing and antiinflammatory effects of extracts of Agave Americana on experimental animals.
13. **Dr. Satish Bahekar** **Guide-Dr. Ranjana Kale**
Study of the effect of ethanolic extract of Manihot Esculenta Crantz leaves on various pharmacological and biochemical parameters in experimental animals.
14. **Dr. Sanjay Nanotkar** **Guide-Dr. D. D. Gosavi**
Comparative evaluation of the adverse drug reaction (ADR) profile of Olanzapine and risperidone in the patients visiting department of Psychiatry of tertiary care hospital in central India – A pharmacovigilance study.
15. **Dr. Varsha Gajbhiye** **Guide- Dr. Ranjana Kale**
Trends of indoor prescription pattern and utilization of antimicrobial agent (AMSs) in pediatric population in tertiary care rural hospital.
16. **Dr. Balwant Choure** **Guide- Dr. D. D. Gosavi**
Electrocardiographic (ECG) alternation due to commonly prescribed antipsychotic and antidepressant drugs in psychiatric patients in a tertiary care Hospital: A pharmacovigilance study.
17. **Dr. Anil Rapelliwar** **Guide- Dr. Sushil Kumar Varma**
Study of antidiabetic and antiulcer activity of hydroalcoholic extract of Triticum Aestivum (Wheatgrass) in wister rats.
18. **Dr. Shanta Sutradhar** **Guide- Dr. Sushil Kumar Varma**
A prospective, observational study of drug prescription pattern with effectiveness of treatment and incidence of Adverse Drug Reaction (ADR) in psoriasis and urticaria patients attending Dermatology & Venereology Department in a Rural Tertiary care Teaching Hospital.

19. **Dr. Narendra Mundale Guide- Dr. Sushil KumarVarma**
Study of antianxiety and wound healing activity of hydroalcoholic extract of Hibiscus rosa-sinensis flower in experimental animal.
20. **Dr. Ranjeet Kumar Guide- Dr. SushilkumarVarma**
Study on anti-inflammatory, antidiabetic and wound healing activity of hydroalcoholic extract of Calendula officinalis flowers in wistar rats.
21. **Dr. Sarju Zilate Guide- Dr. D. D. Gosavi**
Adverse drug reactions of the newer and combination vaccines and its pharmacovigilance in immunization receiving patients Attending paediatric Department (OPD) in a Rural Tertiary Care Teaching Hospital.
22. **Dr. Bhalchandra Awari Guide- Dr. Ranjana Kale**
Antimicrobial utilization pattern in cases of Neonatal Sepsis in NICU of Tertiary care hospital in rural area- A Cross sectional study.

DEPARTMENT OF PATHOLOGY

1. Name of the Department : Department of Pathology, MGIMS, Sevagram
2. Year of establishment: 1970
3. Is the Department part of a college/Faculty of the university?: Yes, department is a part of MGIMS, Sevagram
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

Course Name	No. of seats per year
MBBS	100
MD Pathology	4
PhD(Pathology)	7

5. Interdisciplinary programs and departments involved-
 - Integrated teaching for undergraduates
 - CPCs with department of Orthopedics, Forensic medicine and Toxicology, General medicine, Dermatology for postgraduates
 - At Academy of Medical sciences interdisciplinary programmes for PGs as well as faculty, conducted every Wednesday
 - Postgraduate students are posted at various other departments like Forensic Medicine, Biochemistry and Microbiology for training purpose.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : None
7. Details of programs discontinued, if any, with reasons : None
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - **For UGs:** At the end of each semester at institutional level and at end of one and half year at university level
 - **For PGs:** Section leaving examination at end of each posting and university exam at the end of 3years.
9. Participation of the department in the courses offered by other departments
 - Provides facilities for research
 - PG thesis: Faculty members help other departments like OBGY, Surgery,

Forensic Medicine, Pharmacology, Biochemistry, etc to carry out their thesis/ research projects.

- Part of PG training programme for departments of Anatomy, Biochemistry, Pharmacology, Microbiology, Forensic medicine.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	4
Associate Professor/Reader	4	4	1
Assistant Professor	5	6	6
Lecturer			
Tutor / Clinical Instructor	7	7	12
Senior Resident			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Nitin Gangane	MBBS, M.D, DNB, FUICC	Director-Professor and Head	Pathology	29 years 2M
Dr. Anupama Gupta	MBBS, M.D.	Professor	Pathology	23Yrs 7M
Dr. VB Shivkumar	MBBS, M.D.	Professor	Pathology	21Yrs 9M
Dr. Anshu	MBBS, M.D , DNB, MNAMS, MSc (HPE)	Professor	Pathology, MedEducation	20Yrs
Dr. Manisha Atram.	MBBS, M.D.	Asso. Professor	Pathology	6Yrs 1M
Dr. Pravin Chavhan	MBBS, M.D.	Assist. Professor	Pathology	4Yrs 4M
Dr. Mangesh Kohale	MBBS, M.D.	Assist. Professor	Pathology	2Yrs 5M
Dr. Ritu Agrawal	MBBS, M.D.	Assist. Professor	Pathology	2 Yr 1M

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Bharat Patil	MBBS, M.D.	Assist. Professor	Pathology	2Yr
Dr. Abhay Deshmukh	MBBS, M.D.	Assist. Professor	Pathology	1M
Dr. Shubhangi Mangam	MBBS, M.D.	Assist. Professor	Pathology	1M

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: None
13. Percentage of classes taken by temporary faculty – program-wise information: There are no temporary faculty members in the department
14. Program-wise Student Teacher Ratio- MBBS 4:1; PGs 1:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Academic staff (Technical)	34	34	34
Administrative staff	4	4	4

16. Research thrust areas as recognized by major funding agencies:
Population Based Cancer Registry of Wardha District. Funded by ICMR.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
Details provided in Annexure VIII.
18. Inter-institutional collaborative projects and associated grants received
a) National collaboration : National Cancer Registry Programme
b) International collaboration: International Agency for Research in Cancer (IARC), World Health Organization (WHO), National Institute of Health (NIH)
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **1.6 Crores in last 5 years**

20. Research facility / centre with :
- state recognition
 - national recognition
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies:
Liquid Based Cytology – instrument funded by Hologic UK Ltd.
Liquid-based cytology is a technique that enables cells to be suspended in a monolayer and thus better morphological assessment is possible. It includes the preparation and evaluation of cells collected in a liquid fixative. It is being introduced in developed countries to improve the sensitivity of the Pap test. It is a more superior test for screening of cervical cancer than Pap smears
22. Publications:
- * Number of papers published in peer reviewed journals (national / international): All (44) **Annexure IA.**
 - * Monographs: **Annexure ID**
 - * Chapters in Books/Books edited /Books with ISBN with details of publishers **Annexure IB & IC.**
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.): All the publications are listed in database.
 - * Citation Index – range (0-487) / average : 102.
 - * Impact Factor – range 0-10. / Average - 3
 - * h-index : 0-11 (Average- 3.20)
 - *
23. Details of patents and income generated:
No patents. But income earned by Department by providing services to attached teaching hospital is around 1crore per/ year.
24. Areas of consultancy and income generated :
- The referred histopathology and cytopathology cases from outside hospitals are reviewed by our departmental faculties as consultancy and the charges are been taken by hospital as per KHS rules.
 - Institutional policy does not permit financial incentives to be taken for academic consultancy to outside agencies. However consultancy has been provided to:

Dr Anshu:

- Obama- Singh 21st Century Knowledge Initiative: Core group member of team to develop Masters in Health Professions University for MUHS Nashik and University of Michigan Medical School, 2012-15
 - Open University UK and Keele University, UK: Invited to write distance learning modules for MHPE course on three occasions. Written modules on: Mixed methods research; Assessment in low resource settings; and Teaching diagnostic reasoning and clinical decision making; 2011-13
 - Ministry of Health and Family Welfare, New Delhi: To write distance learning modules on 'Ethics in Human Research' and 'Ethics in biomedical research and Publication' for Postgraduate Diploma in Applied Epidemiology for Dept of Epidemiology, National Institute of Health and Family Welfare, New Delhi, 2012
 - Medical Council of India: Draft new undergraduate curriculum for Pathology in the Competency Based framework
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : **Annexure II**
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (specify).
Annexure III A, B, C, D.
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **Annexure IV A, B, C, D, E**
28. Student projects
- Percentage of students who have taken up in-house projects including inter-departmental projects: **Annexure IX B.**
UG students are allotted short term ICMR and MUHS funded research projects (upto 5%). All MD Pathology candidates undertake research projects as part of their compulsory thesis work.
 - Percentage of students doing projects in collaboration with other universities / industry / institute : Nil
29. Awards / recognitions received at the national and international level by:
Annexure V
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstation participants, if any.
Annexure VI

31. Code of ethics for research followed by the departments -
All the research proposals are submitted to institutional ethics committee (IEC) and initiated only after getting necessary ethical approval.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES (I MBBS) 2015	12871	46%	54%	100(51/51)	95.74(45/47)
(I MBBS) 2014	15555	48%	52%	84.78(39/46)	98.11(52/53)
(I MBBS) 2013	8119	53%	47%	96.77(30/31)	100(33/33)
(I MBBS) 2012	16003	52%	48%	85.29(29.34)	100(31/31)
(I MBBS) 2011	12518	51%	49%	93.48(43/46)	100(21/21)
POSTGRADUATES					
2015	247	50%	50%	100%(1/1)	100%(3/3)
2014	265	100%	0%	100%(1/1)	100%(3/3)
2013	191	50%	50%	100%(1/1)	100%(3/3)
2012	149	25%	75%	100%(1/1)	100%(2/2)
2011	205	25%	75%	100%(2/2)	100%(2/2)

33. Diversity of students:

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBBS	Selected through common PMT all over the country			
PG 2011	4	0	0	0
PG 2012	4	0	0	0

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG 2013	4	0	0	0
PG 2014	4	0	0	0
PG2015	2	0	1	1
PG 2016	4	0	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. Not applicable

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	Admission is done through national entrance examination
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	72.72% (8/11)
from other universities within the State	—
from universities from other States	27.27% (3/11)
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period :

Dr. Nitin Gangane: Is pursuing PhD in Public Health from Umea University, Sweden with funding from Global Health Scholarship, Umeå International School of Public Health, Dept of Public Health and Clinical

Medicine, Umeå University, Sweden

Dr Anshu was awarded Masters in Health Professions Education MSc (HPE) with distinction from Maastricht University on 3 Jun 2014.

38. Present details of departmental infrastructural facilities with regard to

a) Library :

Total number of Books in Central Library	:	28127
Books pertaining to Pathology in Central Library	:	1552
Total no. of books in departmental library	:	153
Journals	:	20

Journals	All subjects (114)	Pathology
Indian	43	9
Foreign	47(Print)+24(online)	11

- These are regularly updated. New books are selected from exhibitions organized by the library and purchased. These books are issued to students when required.

b) Internet facilities for staff and students: Campus wifi available

c) Total number of class rooms:

- One lecture hall (with capacity of 150)
- One demonstration room (with capacity of 50)
- One seminar room (with capacity of 30)

d) Students' laboratories:

One practical laboratory for UG students. The department has the following laboratories and postgraduate students are regularly posted by rotation in all these laboratories to learn and practice skills.

- Histopathology
- Cytology
- Hematology
- Clinical Pathology
- Research Laboratory: Flow cytometry and Fluorescence Microscopy
- Immunohistochemistry
- Frozen section Lab
- Coagulation Laboratory
- Blood Bank

e) Research laboratories: Two

f) All lecture halls are wi-fi enabled and have LCD projection facility

g) Department has good w-ifi connectivity and computers are been provided

with this facility through HIS system.

39. List of doctoral, post-doctoral students and Research Associates
- a) From the host institution/university:
Dr. Kiran Mehra pursuing PhD MUHS Nashik.
 - b) From other institutions/universities: One
Dr. Nitin Gangane: Pursuing PhD in Public Health from Umea University, Sweden with funding from Global Health Scholarship, Umeå International School of Public Health, Dept of Public Health and Clinical Medicine, Umeå University, Sweden
40. Number of post graduate students getting financial assistance from the university.
Rs 25000/- has been sanctioned to each of the following candidates by Research committee of Kasturba Health Society, Sevagram:
- a) **Jais N; Guide: Dr Gangane NM**
Expression of CD34, PCNA and VEGF in in-situ and invasive squamous cell carcinoma of cervix
 - b) **Patil BU; Guide: Dr Shivkumar VB**
Use of monoclonal antibody MOC-31 as immunomarker for detecting metastatic adenocarcinoma in effusion cytology
 - c) **Yadav V; Guide: Dr Gangane NM**
Expression of HER2/neu receptor in epithelial ovarian malignancies
 - d) **Deshmukh A; Guide: Dr Gupta**
Prognostic significance of estrogen receptor and estrogen receptor in invasive luminal type A carcinoma breast patients
 - e) **Singh M; Guide: Dr A Gupta**
Significance of heat shock protein 27 expression in carcinoma breast
 - f) **Ansari S; Guide: Dr Anshu**
Utility of p16INK4a staining on cell blocks prepared from residual liquid based cervicovaginal material
 - g) **Panwar K, Guide: Dr Gangane NM.**
Estrogen receptor, progesterone receptor and p53 expression in atypical/complex endometrial hyperplasia and endometrial adenocarcinoma.
 - h) **Ghongade P, Guide: Dr Shivkumar VB**
Study of haemostatic profile in patients of type 2 Diabetes Mellitus and relationship of fibrinogen level to glycaemic status (HbA1C) and duration of disease.
 - i) **Khan H, Guide: Dr Gangane NM.**

E-cadherin as prognostic biomarker in oral squamous cell carcinoma.

j) Narote A; Guide: Dr Anshu

Prognostic value of e-cadherin as a diagnostic biomarker in breast carcinoma

k) Choudhari A; Guide: Dr A Gupta

Clinical and prognostic significance of p53 and p63 markers by immunohistochemistry in cases of oral squamous cell carcinoma.

l) Sonar A; Guide: Dr. Anshu.

CD10 stromal expression in invasive breast carcinoma and its prognostic value.

m) Anamika G, Guide: Dr Gangane NM.

Role of p53 and Her-2-neu as a prognostic biomarker in breast carcinoma.

n) Bandyopadhyay S, Guide: Dr VB Shivkumar.

Expression of galectin 3 in thyroid neoplasms

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
This exercise is undertaken at the level of university. Based on perspective plan of university
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes
 - The feedback is obtained from faculty through regular departmental meetings with the Head of the Department. Present status of the course is assessed.
 - All departmental heads get together in the College Council and discuss the curriculum of students.
 - Student feedback is obtained by the Internal Quality Assurance Cell.
 - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes
 - Feedback is taken at the end of each unit or the system taught by the each teacher.
 - Feedback is taken from the students in order to improvise and overcome limitation, if any.
 - This is also taken during mentor-mentee meetings
 - The institutional feedback is also taken from the batch which has passed MBBS
 - Alumni and employers on the programs offered and how does the department utilize the feedback?
 - Feedback is collected at the level of institution from the alumni.

43. List the distinguished alumni of the department (maximum 10)
- **Dr. S M Sharma:** Former Professor & Head, Department of Pathology, MGIMS, Sevagram
 - **Dr. NS Ingole:** Former Director-Professor, Department of Pathology MGIMS, Sevagram
 - **Dr. Girish Muzumdar:** Consultant Pathologist at Asian Institute of Oncology and Bombay Hospital, Mumbai
 - **Dr. Sunil Dargar:** Past President of Indian Association of Practicing Pathologists
 - **Dr. G S Yadav:** Past President of Haryana Association of Pathologists
 - **Dr. N. Inaoba Singh:** Deputy Director General of Health Services.
 - **Dr. Nitin Gangane:** Former Pro-Vice Chancellor, Maharashtra University of Health Sciences, Nashik; Former - Chairperson of Maharashtra State Chapter of Indian Association of Pathologists and Microbiologists
 - **Dr. Santosh Gupta:** Former Professor & HOD Department of Pathology, Peoples Medical College, Bhopal.
 - **Dr. Monika Lamba:** Research fellow, Department of pathology, Cliniques Universitaires Saint- Luc, Universite Catholique de Louvain, Brussels, Belgium.
 - **Dr. Renuka Bhaskar:** Consultant Pathologist, University of Illinois, Chicago
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
- Dr Sangeeta Desai, Pathologist, Tata Memorial Hospital Mumbai. **Guest lecture on Urothelial neoplasms of Urinary Bladder.** 13 Mar 2011
 - Dr. Monika Lamba. **Molecular Pathology of Cancer,** 29/07/2015
 - Dr. Sunil Deshpande, **Interpretation of Kidney biopsy Part I, Part II,** 19/09/2015.
 - Dr G.S. Yadav. **Norms for NABL Accreditation** 13/11/2015
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Changes made for undergraduates:

- Introduction of audiovisual aids in teaching: LCD projector, transparencies
- Collection of student feedback

- Introduction of small group discussions
- Introduction of case based learning in Clinical Pathology
- Introduction of projects or assignments: E.g. posters on different topics
- Piloting of Objective Structured Practical Examination (OSPE)

Changes made for postgraduates:

- Log book has been introduced
- Competencies defined for each year
- Projection microscope is being used during slide seminars
- Student Feedback was taken

Faculty has designed and implemented all these innovations. Some of these (log book and list of competencies) have now been adopted by MUHS.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? :
- Evaluation of MBBS program is done through results of classroom/ internal assessment in following exams: Part Completion Tests, Terminal Exam, Preliminary Exam and University exams.
 - Feedback is collected from the students
 - Feedback is collected from the faculty
 - Discussion at curriculum committee meeting and college council regarding the same is conducted.
 - Guidelines from university are followed.
47. Highlight the participation of students and faculty in extension activities.
- Postgraduate students and faculty are actively involved in organizing and conducting the blood donation camps at various centers.
 - The Department participates in diagnostic camps organized at various rural centers including Melghat.
 - Cervical screening camps are conducted where Pap smear reporting is done by our faculty
 - The Department is involved in National Cancer Registry programme of Wardha district.
48. Give details of “beyond syllabus scholarly activities” of the department.
- All junior faculty have participated in microteaching and e-learning sessions conducted by the MEU.
 - The institute has a mentorship programme where all students are allotted mentors from the faculty. All Assistant Professors and

Associate Professors take on the role of mentors and interact with their mentees on an academic and personal basis each month.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. **MUHS, MCI**

- Date of MBBS recognition by MCI : 22/04/1976
- Date of MD recognition by MCI : 28/01/2001
- Date of Ph.D. recognition from MUHS : 02/08/2008
- Date of last inspection of MCI : 05/02/2016
- Date of last inspection of MUHS : 02/03/2015

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. List of the paper publications and presentations provided as an **ANNEXURE IA& VII**.

- The Department imparts comprehensive education in Pathology to undergraduate and postgraduate students. Our efforts focus on developing critical thinkers with strong problem solving skills and promote lifelong learning skills. The resident program is designed to train and produce pathologists with both technical competence and intellectual depth.
- Faculty is trained in medical education and uses interactive methods of teaching including case based learning, group discussions and tutorials. Faculty also undertakes educational research projects regularly. Regular feedback is obtained from students to improve the quality of teaching

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. :

Strengths:

- Only department in the Vidarbha region offering PhD in pathology
- Qualified, committed and experienced faculties
- Continuous upgrading of physical infrastructure and annual maintenance.
- Promotion of critical thinking amongst students through innovative methods of teaching
- Continuous acquisition of books and journals in library
- Promotion of research culture in the department.
- Major and minor research project funding by national and international agencies.
- Faculty have membership and active participation in professional organizations.
- 40 research publication in national and international journals since the last five years.

- Presentation from faculty as well as postgraduate students in national and international conference

Weakness

- Department has not been able to enter into faculty exchange and student exchange programmes.

Opportunities:

- Ample opportunities for all round development of students
- Ideal academic and administrative background to evolve into a center of excellence.
- Strong research background of this department opens opportunities for R&D collaborative programme.

Challenges:

- Continuous upgrading of curriculum pedagogy and research thrust area to suit the changing needs of society.
- To develop a culture, that emphasizes the responsibilities of student in the learning projects.
- To provide continuous and more intense research consultancy and training.
- Expand network and collaborative initiative with governmental and non-governmental organizations at local, national and international levels.

52. Future plans of the department.

- Plans to expand research activities in field of cancer, tuberculosis and sickle cell anemia
- Plans to introduce molecular biology techniques
- Plans to introduce more interactivity in teaching

ANNEXURES FROM DEPARTMENT OF PATHOLOGY

ANNEXURE 1A: PUBLICATIONS

2011

1. **Joshi D, Singh P, Zonunfawni Y, Gangane N.** Metaplastic carcinoma of the breast: cytological diagnosis and diagnostic pitfalls. *Acta Cytol.* 2011; 55(4):313-8. Epub 2011 Jul 22. (PMID: 21791899)
2. **Singh P, Anshu, Gangane N.** Cytological diagnosis of filarial infection in an endemic area where screening and prophylaxis is in place. *Cytopathology.* 2011. July 5. Epub ahead of print. (PMID: 21733001)
3. **Anshu.** Inclusion of ethics matters in the undergraduate medical curriculum. *Indian J Med Ethics.* 2011; Jul-Sep 8(3): 135-138 (Editorial) (PMID: 22106636)
4. **Kar S, Krishnan A, Gangane N, Preetha K.** Scrofuloderma – A case series from rural India *Indian J Tuberculosis* 2011; 58(4): 189-195 (PMID : 22533168)

2012

5. **Molinolo AA, Marsh CA, El Dinali M, Gangane N, Jennison K, Hewitt SM, Patel V, Seiwert TY, Gutkind JS.** mTOR as a molecular target in HPV-associated oral and cervical squamous carcinomas. *Clin Cancer Res* 2012 Mar 12. [Epub ahead of print] (PMID: 22409888)
6. **Gulhane S, Gangane N.** Detection of lupus erythematosus cells in pleural effusion: An unusual presentation of systemic lupus erythematosus. *J Cytol* 2012 Jan; 29(1):77-9. (PMID: 22438627)
7. **Kar S, Krishnan A, Gangane N, Jain S, Mehra B, Kale S.** Multiple giant nerve abscess presenting like lipoma in a treated patient of Hansen's disease. *Int J Dermatol* 2012; 51(7): 835- 837 (PMID: 22715828)
8. **Singh R, Anshu, Sharma SM, Gangane N.** Spectrum of male breast lesions diagnosed by fine needle aspiration cytology: A 5-year experience at a tertiary care rural hospital in central India. *Diagn Cytopathology* 2012; 40(2): 113-7 (PMID:22246926)
9. **Kar S, Krishnan A, Gangane N.** Eccrine angiomatous hamartoma: a rare skin lesion with diverse histological features. *Indian J Dermatol* 2012; 57 (3) : 225-227 (PMID: 22707779)
10. **Singh T, Anshu, Modi JN.** The Quarter Model: A proposed approach for in-training assessment of undergraduate students in Indian medical schools. *Indian Pediatrics* 2012; 49: 871-876. (PMID: 23255699)

11. **Badge SA, Gosavi AV, Ramteerthkar NA, Kulkarni MP, Lanjewar DN.** Primary osteosarcoma of the breast: a case report. Indian Med Gazette 2012; 6: 249-252.

2013

12. **Badge SA, Gosavi AV, Ramteerthkar NA, Sulhyan KK.** Lepromatous leprosy of prepuce: a case report. J Krishna Institute of Medical Sciences Uni 2013; 2(1): 117-119
13. **More S, Shivkumar VB, Gangane N, Shende S.** Effects of iron deficiency on cognitive function in school going adolescent females in rural area of central India. Anemia. 2013; 2013:819136. Epub 2013 Dec 10. (PMID: 24386560)
14. **Kumar A, Sharma SM, Ingole NS, Gangane N.** Rising trends of HCV infection over a period of 4 years among blood donors in central India: A retrospective study. Int J Med and Public Health 2013; 3 (4): 240-243.
15. **Oza NS, Ingole N, Gangane N, Namgyal A.** Study of ethylene diamine tetra acetic acid (EDTA)-dependent pseudothrombocytopenia: an incidental but important finding. Int J Biomed and Adv Res 2013; 4 (12): 878-885
16. **Badge SA, Gangane NM, Shivkumar VB, Sharma SM.** Adult granulosa cell tumor with amyloid like stroma of ovary Indian J Basic Appl Med Res 2013; 8 (2):1047-1051
17. **Joshi R, Mishra PK, Joshi D, Santhosh SR, Parida MM, Desikan P, Gangane N, Kalantri SP, Reingold A, Colford JM Jr.** Clinical presentation, etiology and survival in adult acute encephalitis syndrome in rural Central India. Clin Neurol Neurosurg 2013; 115(9):1753-61. (PMID: 23643180)

2014

18. **Oza N, Ingole N, Gangane N.** Study of ethylene diamine tetra acetic acid (EDTA) - dependent pseudothrombocytopenia. Acta Medica Scientia 2014; 1 (1): 1-5.
19. **Kumar A, Sharma SM, Ingole NS, Gangane N.** Analysis of reasons for discarding blood and blood components in a blood bank of tertiary care hospital in Central India: A prospective study Int J Med and Public Health 2014; 4 (1): 72-74
20. **Kumar A, Sharma S, Ingole N, Gangane N.** An audit of blood bank services. J Educ Health Promot 2014; 21(3):11 (PMID: 24741651)
21. **Badge SA, Gangane NM, Shivkumar VB, Sharma SM.** Primary squamous cell carcinoma of the breast. Int J Appl Basic Med Res. 2014; 4(1):53-5. (PMID: 24600581)

22. **Atram M, Anshu, Sharma S, Gangane N.** Sclerosing stromal tumor of the ovary. *Obstet Gynecol Sci* 2014; 57 (5): 405-408 (PMID: 25264533)
23. **Pawane P, Anshu, Gangane N.** Hemangiomas versus arterio-venous malformations: Role of elastic stains and mast cell density. *Indian J Pathol Microbiol* 2014; 57: 191-5 (PMID: 24943748)
24. **Waghmare S, Ingole NS, Gangane N.** Hemostatic alterations in liver diseases. *Int J Biomed Adv Res* 2014; 5 (5): 230-33.
25. **Kumar A, Sharma SM, Ingole NS, Gangane N.** Seroprevalence of Transfusion Transmissible Infections (TTIs) among blood donors in a tertiary care hospital, central India: A prospective study. *Muller J Med Sci Res* 2014; 5 (2): 113-16.
26. **Modi JN, Anshu, Gupta P, Singh T.** Teaching and assessing professionalism in the Indian context. *Indian Pediatr* 2014; 51: 881-888 (PMID: 25432217)
27. **Kar S, Prasad K, Madke B, Gangane N, Singh N.** Abdomino-pelvic actinomycetoma successfully treated with combination chemotherapy. *Australas J Dermatol* 2014; 55(3):230-2 (PMID: 25117166)
28. **Jain S, Jain P, Shivkumar VB.** Pustular psoriasis in lactating female: A successful challenge Saudi J for Health Sci 2014; 3 (3): 163-165
29. **Bhalavi V, Deshmukh PR, Atram M, Mahajan B.** Prevalence of metabolic syndrome and cardiometabolic risk factors in adolescents of rural Wardha. *Int.J.Biomed Res* 2014;5:754-757

2015

30. **Kar S, Preetha K, Yadav N, Madke B, Gangane N.** Becker's nevus with neurofibromatosis type 1. *Ann Indian Acad Neurol* 2015; 18:90-2. (PMID: 25745321)
31. **Yadav N, Kar S, Madke B, Gangane N.** Hansen's disease and HIV co-infection with facial nerve palsy. *J Neurosci Rural Pract* 2015; 6:228-30 (PMID: 25883486)
32. **Dashatwar D, Kar S, Gangane N, Pol V, Madke B, Kulkarni S, Singh N.** Chromoblastomycosis in an inmate of leprosarium. *Lepr Rev* 2015; 86, 102– 107
33. **Madera D, Vitale-Cross L, Martin D, Schneider A, Molinolo AA, Gangane N, Carey TE, McHugh JB, Komarck CM, Walline HM, William WN Jr, Seethala RR, Ferris RL, Gutkind JS.** Prevention of tumor growth driven by PIK3CA and HPV oncogenes by targeting mTOR signaling with metformin in oral squamous carcinomas expressing OCT3. *Cancer Prev Res (Phila)* 2015; 8(3):197-207 (PMID: 25681087)

34. **Singh T, Anshu.** Medical education reforms in independent India. Indian J Community Family Med 2015; 1(1): 58-60
35. **Atram MA, Bhalavi VD, Dantkale SS.** Oral Cancer: A Clinicopathological Study In Relation To Tobacco Chewing, Smoking and Other Risk. J Pharm Biomed Sci 2015;21(212-222)
36. **Gangane N, Ng N, Sebastian MS.** Women's knowledge, attitudes, and practices about breast cancer in a rural district of central India. Asian Pac J Cancer Prev 2015; 16(16):6863-70. (PMID: 26514458)
37. **Modi JN, Anshu, Gupta P, Singh T.** Teaching and assessing clinical reasoning skills. Indian Pediatrics 2015; 52: 787-794. (PMID: 26519715)
38. **Jain S, Jain P, Jakhar P, Shivkumar VB.** Eosinophilic panniculitis in a female child: an unusual presentation. Indian Dermatol Online J 2015; 6 (1): 34-36 (PMID: 25657915)
39. **Yadav RS, Khatri V, Amdare N, Goswami K, Shivkumar VB, Gangane N, Reddy MV.** Immuno-modulatory effect and therapeutic potential of Brugia malayi Cystatin in experimentally induced arthritis. Indian J Clin Biochem 2015:1-6 (PMID: 27069328)

2016

40. **Gangane N, Anshu, Manvatkar S, Ng N, Hurtig AK, San Sebastián M.** Prevalence and risk factors for patient delay among women with breast cancer in rural India. Asia Pac J Public Health 2016 Jan; 28(1):72-82. (PMID: 26658324)
41. **Badge SA, Gangane N, Shivkumar VB, Sharma SM.** Dedifferentiated chondrosarcoma of right proximal femur: A case report. Med J DY Patil Univ 2016; 9(2): 261-3
42. **Yadav N, Madke B, Kar S, Prasad K, Gangane N.** Hailey-Hailey disease. Indian Dermatol Online J 2016; 7:147-8 (PMID: 27057511)
43. **Atram M, Bhalavi V, Dantkale SS.** A clinicopathological study of tumor and tumor like lesion of oral cavity. Indian J Basic Appl Med Res.2016;5(3): 146-153
44. **Bhalavi VD , Atram M ,Deshmukh PR, Garg N.** Increasing Trend of Obesity In the Adolescents From Rural Wardha. IJSR2016;5(7): 82-84

ANNEXURE IB: BOOK CHAPTERS

- i. **Anshu, Singh T.** The art of talking to patients. Patwari AK, Sachdeva HPS (eds.). Frontiers in Social Pediatrics,, 2nd edn, 2016, Jaypee Brothers Medical Publishers Ltd., New Delhi, pp 199-210. ISBN: 978-93-85891-66-3

- ii. **Anshu.**
Effective feedback in medical education. In: Bhuiyan P, Rege NN, Supe AN (eds.) The art of teaching medical students. 2015, 3rd edn, Elsevier India, pp 248-260. ISBN: 813-12-398-10
- iii. **Singh T, Anshu.**
Internal Assessment Revisited. In: Singh T, Anshu (eds.). Principles of Assessment in Medical Education, Jaypee Brothers, New Delhi, 1st edn, 2012, pp 43-48
- iv. **Anshu.**
Assessment of knowledge: Written Assessment. In: Singh T, Anshu (eds.). Principles of Assessment in Medical Education, Jaypee Brothers, New Delhi, 1st edn, 2012, pp 70-79
- v. **Anshu.**
The oral examination. In: Singh T, Anshu (eds.). Principles of Assessment in Medical Education, Jaypee Brothers, New Delhi, 1st edn, 2012, pp166-172.
- vi. **Anshu, Singh T.**
Student feedback. In: Singh T, Anshu (eds.). Principles of Assessment in Medical Education, Jaypee Brothers, New Delhi, 1st edn, 2012, pp 220-226.
- vii. **Anshu.**
Quantitative versus qualitative research in medical education. Reflections (Conference edition), NKP Salve Institute of Medical Sciences and Research Centre, Nagpur, Jan 2012
- viii. **Anshu, Chari S.**
Designing a questionnaire. Reflections (Conference edition), NKP Salve Institute of Medical Sciences and Research Centre, Nagpur, Jan 2012

ANNEXURE IC:BOOKS EDITED

1. **Gangane N (editor); Patil BU, Anshu (chapter authors)**
Textbook for BPMT Blood Transfusion Course, 2015, MUHS Nashik
2. **Gupta A**
Meerabai aur bhakti ki aadhyatmik arthneeti. Hindi translation of research work on history of India from feminist perspective: Meerabai and spiritual economy of Bhakti' by Prof Kumkum Sangari Vani Publications, New Delhi, 2012.
3. **Anshu, Kothari R (editors).**
Proceedings and Souvenir of the National Conference on Health Professions Education (NCHPE 2014), Sevagram, 24-27 September 2014.
4. **Singh T, Anshu (eds.).**

Principles of Assessment in Medical Education, Jaypee Brothers, New Delhi, 1stedn, 2012

ANNEXURE II: NATIONAL AND INTERNATIONAL VISITS

- **Nitin Gangane**
 - i) International Fellowship in Cancer Epidemiology by Association of Nordic Cancer Unions at International Agency for research on cancer (WHO), summer 2011
 - ii) Infections and cancer biology division of International Agency for Research on Cancer (WHO), France as Member of International Pathology Review Panel, HPV ahead project, April 2012.

- **Anshu**
 - i) As an expert consultant, National Subcommittee, Curriculum Implementation Support Programme, Medical Council of India, 2-3 May 2011
 - ii) As an expert consultant, Pathology, Committee for planning implementation of Integrated Curriculum in MBBS, Medical Council of India, 2011
 - iii) Authored a distance learning module on Introduction to research and evaluation for World Federation of Medical Education (WFME) / FAIMER, invited by Open University UK for writing retreat, Flitwick Manor, UK, 24-27 Oct 2011.
 - iv) Core Group Member from MUHS, Obama-Singh 21st Century Knowledge Initiative Grant to MUHS to start Masters in Health Professions Education (Collaboration between MUHS and University of Michigan Medical School), 2012-15

ANNEXURE III: EXTRA-INSTITUTIONAL RESPONSIBILITIES

ANNEXURE III A: NATIONAL COMMITTEES

- I) **Dr N Gangane**
Member of Governing Council, ICMR.

- II) **Dr A Gupta**
Member Advisory Committee, for the regional centre (JNMC, Sawangi) for midlevel courses in national faculty development program through MCI

III) Dr Anshu

- Resource person and faculty, CMC Ludhiana, GSMC Mumbai, PSG Coimbatore FAIMER Regional Institutes, MUHS-MET Pune
- Executive member, Indian Academy of Cytologists, 2011-13

ANNEXURE IIIB: INTERNATIONAL COMMITTEES

I) Nitin Gangane:

- Member, International Pathology Review Panel, HPV ahead project of International Agency for Research on Cancer (WHO), France
- Reviewer of International cancer technology transfer fellowships (ICRETT) of Union for International Cancer Control (UICC)
- Reviewer for National Health Laboratory Service Research Trust Grants in South Africa

II) Anshu

- Core Group Member from MUHS, Obama-Singh 21st Century Knowledge Initiative to start Masters in Health Professions Education for MUHS in collaboration with University of Michigan Medical School

ANNEXURE III C: EDITORIAL BOARDS

Gupta A

- Editorial Board, SevaMed

Anshu

- Editorial Advisory Board: Cytopathology (UK), 2007-2014
- National Editorial Board: Indian Journal of Pathology and Microbiology (India), 2010
- Editorial Board, Journal of Cytology (India), 2011 onwards

ANNEXURE III D: UNIVERSITY AFFILIATIONS:

Members/ Board of Studies

I) Dr NM Gangane:

- i) Acting Pro-Vice Chancellor, MUHS Nashik (from 5.2.2014 to 24.3.2014)

- ii) Member of Governing Body, Indian Council of Medical Research (ICMR), 2014 onwards
 - iii) Member of Management Council, Maharashtra University of Health Sciences, Nashik, 2013 onwards
 - iv) Member of Academic Council, MUHS, Nashik
 - v) Chairperson, Board of Studies, Para clinical(UG) Board, MUHS, Nashik
 - vi) Chairman, Technical Advisory Committee, MUHS, Nashik 2013 onwards
 - vii) Chairman, Research grant screening committee, MUHS, Nashik 2014 onwards
 - viii) Chairman, Vehicles committee, MUHS, Nashik 2013 onwards
 - ix) Chairman, Rules and Regulations committee for recruitment of faculty at MUHS, Nashik
 - x) Chairman, Committee for framing directions for service condition of teachers at affiliated colleges, MUHS, Nashik 2013
 - xi) Member, finance and accounts committee, MUHS, Nashik, 2012 onwards
 - xii) Member, Budget committee, MUHS, Nashik, 2015
 - xiii) Member of Board of Research, Maharashtra University of Health Sciences, Nashik from 2010-12
 - xiv) Member of Board of Medical Education disciplines, Maharashtra University of Health Sciences, Nashik from 2012 onwards
 - xv) Member Board of Genetic studies, Maharashtra University of Health Sciences, Nashik from 2012 onwards
- II) Dr A Gupta:** Member, Board of Studies, Diploma and Masters Degree Courses in Health education. Datta Meghe Institute of Medical Sciences University (Deemed)
- III) Dr Anshu:** Member, Board of Studies for Medical Education, MUHS Nashik

ANNEXURE IV A: CONFERENCES ATTENDED

2011

- 1) **Gangane N.**
MAPCON 2011, Dhule, 24-25 Sep 2011
- 2) **Gupta A.**
CME on Gynecological Pathology Organized by Vidarbha Association of Pathologists & Microbiologists, Nagpur, 21 Oct 2011

- 3) **Gupta A.**
CME on cytological diagnosis of Mycobacterial Infections VAPM, Nagpur, 10 Apr 2011
- 4) **Anshu**
National Conference of Health Professions Education 2011 (National Organizing Faculty and Resource Person) CMC Vellore, 11-16 Sep 2011

2012

- 5) **Gangane N, Waghmare S, Wadhai S, Kumar A, Parashar D, Negi S, Konsam V, Jais N, Oza N, Mendhe N, Patil B.**
CME on fluid analysis, JNMC Sawangi, 5 Feb 2012
- 6) **Waghmare S, Wadhai S, Kumar A, Parashar D, Negi S, Konsam V, Jais N, Oza N, Mendhe P, Patil B.**
CME on Basic Trauma Care MGIMS, Sevagram, 10-11 Mar 2012
- 7) **Patil B**
MAPCON 2012 PDMC Amravati, 6-7 Oct 2012
- 8) **Anshu**
SEARAME-National Conference on Health Professions Education NCHPE 2012, (Member of National Organizing Committee, Coordinator of Poster and Discussion session). PSG Coimbatore, 5 Sep 2012

2013

- 9) **Anshu**
Vice Chancellors and University Administrators Conclave on “Quality Crisis in Medical Education and Remedies Thereof” JNMC Sawangi, 22 Jan 2013
- 10) **Anshu**
National Conference of Health Professions Education (NCHPE 2013) KEM Hospital Mumbai, 24-28 Sep 2013

2014

- 11) **Gupta A, Shivkumar VB, Anshu, Patil B.**
National Conference on Health Professions Education (NCHPE 2014) MGIMS Sevagram, 24-27 Sep 2014
- 12) **Kohale M**
CME on Endometrial Pathology JNMC Sawangi, 8 Nov 2014
- 13) **Atram M**
APCON 2014, Pune, 4-7 Dec 2014
- 14) **Anshu**
FAIMER Symposium: A marketplace of ideas. Towards Unity For Health. The Network Conference, Fortaleza, Brazil, 19 Nov 2014

2015

- 15) **Gangane N, Gupta A, Shivkumar VB, Anshu, Atram M, Chavhan P, Patil B, Agrawal R, Kohale M.**

CME on Interpretation of Renal Biopsy Dept of Pathology, MGIMS Sevagram, 18 Sep 2015.

ANNEXURE IV B: COURSES ATTENDED

2011

- 1) **Anshu**
Sessions on (1) Mentoring (2) Mentoring-learning web (3) Online module presentations (4) Curriculum innovation projects discussions (5) Poster session, (Global faculty) FAIMER Institute, Philadelphia, USA, 12-20 Oct 2011
- 2) **Anshu**
Sessions on: (1) Mentoring (2) Mentoring Learning web (3) Poster presentation (4) Microteaching, (Resource person and faculty) GSMC-FAIMER Regional Institute, Mumbai, 12-15 June 2011
- 3) **Anshu**
Sessions on: (1) Change Management (2) Interactive teaching (3) Distance learning (4) Sustaining change and planning for the future (5) Curriculum innovation projects discussion. (Resource person and faculty) PSG-FAIMER Regional Institute, Coimbatore 4-9 Apr 2011

2012

- 4) **Anshu**
Sessions on (1) Educational Research (2) Qualitative Research (3) Applications of reliability and validity (4) Starting the journey (5) Project discussions (Resource person and faculty) CMCL-FAIMER Regional Institute, Ludhiana, 31 Jan- 4 Feb 2012
- 5) **Anshu**
Sessions on (1) Educational research (2) Distance learning (3) Problem based / Case based learning (4) Curriculum development (Resource person and faculty) MUHS Advanced Course for Training of Teachers, MUHS Teachers' Training Centre, Pune, 8-10 Jan 2012
- 6) **Gangane N, Gupta A.**

Basic course on digital flow cytometry BD-JH FACS Academy, New Delhi, 26-28 Dec 2012

2013

- 7) **Anshu**
Health in Numbers: Quantitative Methods in Clinical & Public Health Research, PH207x Harvard School of Public Health- Online course, 15 Oct 2012-15 Jan 2013

2014

- 8) **Gupta A**
Internal auditor & quality management systems Certificate course LTMMC, Sion, Mumbai, 17-20 Feb 2014

2015

- 9) **Gupta A, Anshu**
14th Basic Workshop on Medical Education. MCI Nodal Centre for Medical Education, JNMC Sawangi, 24-26 Mar 2015.
- 10) **Anshu**
Training of Trainers (TOT) on Sample collection & Pre-analytical best practices Labs for Life Project, Delhi, 25 -28 Aug 2015.
- 11) **Anshu**
MOOC on Problem based learning: Principles and Design. Maastricht University, 5 Oct- 5 Dec 2015

2016

- 12) **Gangane N**
Instrument Management Training Labs for Life Project, Udaipur, 17 - 19 Feb 2016

ANNEXURE IV C: WORKSHOPS ATTENDED

2011

- 1) **Gangane N.**
Cancer Epidemiology Workshop IARC Lyon, France, 20 Jun-7 Jul 2011
- 2) **Gangane N.**
Kick off meeting of HPV ahead project Trivandrum, 12 Nov 2011
- 3) **Gangane N.**
Report on PBCR of Wardha District Annual Review Meeting, National Cancer Registry Programme, Guwahati, 5-6 Nov 2011
- 4) **Gangane N.**
FIST programme of DST Bengaluru, 19-20 Aug 2011

- 5) **Gupta A.**
Orientation program for Deans and MEU coordinators MCI Nodal Centre, JNMC, Sawangi, Wardha, 22 Nov 2011
- 6) **Gupta A.**
Training of trainers: Workshop on biomedical waste management MGIMS, Sevagram, 18 Jul 2011
- 7) **Vyas R, Anshu, Bansal PK.**
Workshop on “Early Clinical Exposure” (*Organizing faculty*) National Conference on Health Professions Education 2011 CMC Vellore, 11-16 Sep 2011
- 8) **Anshu.**
Workshop on Social Accountability of medical schools: A new mark of excellence for development and accreditation. Association of Medical Education of Europe (AMEE) 2011 Conference Vienna, Austria, 29 Aug 2011
- 9) **Anshu.**
Workshop on Survey Design basics: from constructs to scales. Association of Medical Education of Europe (AMEE) 2011 Conference Vienna, Austria, 30 Aug 2011
- 10) **Anshu.**
Workshop on Studying the medical education learning environment: exploring international perspectives Association of Medical Education of Europe (AMEE) 2011 Conference, Vienna, Austria, 30 Aug 2011
- 11) **Anshu.**
1st National Conclave of Vice Chancellors of Health Sciences Universities for reforms in Medical Education (*Expert Faculty*) MUHS, Pune, 6-7 May 2011
- 12) **Anshu.**
National Subcommittee, Curriculum Implementation Support Programme (Expert) Medical Council of India, 2-3 May 2011
- 13) **Anshu.**
National Consultation for reforms in medical education (*Expert*) Pramukhswami Medical College, Karamsad, Apr 1-3 2011
- 14) **Mehra K.**
Workshop on Research Methodology MUHS Nashik, 18-23 July 2011
- 15) **Waghmare S, Kumar A.**
Workshop on Autopsy techniques JNMC Sawangi, 26-28 Aug 2011

2012

- 16) **Gangane N.**

International Pathology Review panel of HPV Ahead group IARC, Lyon, France, 20-21 Mar 2012

- 17) **Mehra K.**
Reorientation training of Blood bank training officers Conducted by MSACS Mumbai, Nagpur, 18-20 Jan 2012
- 18) **Gangane N, Ingole NS, Gupta A, Anshu**
Basic workshop in research methodology MUHS, Pune regional centre, 18-20 June 2012
- 19) **Kumar A**
Training on implementation of quality management systems in blood banks Maharashtra State AIDS Control Society (NACO), Pune, 1-3 Nov 2012
- 20) **Mehra K**
Workshop on Immunohistochemistry MAPCON 2012, PDMC Amravati, 6-7 Oct 2012
- 21) **Patil B**
15th Workshop on Biomedical Informatics MGIMS Sevagram, Dec 2012
- 22) **Supe A, Bansal P, Anshu**
Workshop on Curriculum Innovation Support Programme of the Medical Council of India. (*Faculty and resource person*) SEARAME-NCHPE 2012, PSG Coimbatore, 5 Sep 2012
- 23) **Anshu, Desai C, Shah C**
Workshop on Problem based and Case based learning (*Lead faculty*) Govt Medical College, Bhavnagar, 16-17 Aug 2012
- 24) **Anshu**
Workshop on Qualitative Research (*Lead faculty*) GSMC-FAIMER Regional Institute, Mumbai, 11 Jun 2012
- 25) **Anshu**
Meeting with Vice-Chancellor of MUHS on Medical education activities in Vidarbha Govt Medical College, Nagpur, 8 Jul 2012
- 26) **Anshu**
Working Group on Integrated teaching, National Subcommittee, Curriculum Implementation Support Programme Medical Council of India, New Delhi, 3-4 April 2012
- 27) **Anshu**
Workshop on Leader as Coach SEARAME-NCHPE 2012, PSG Coimbatore, 5 Sep 2012

2013

- 28) **Chavhan PS, Waghmare S, Patil B**
CME of MedEqSafety MGIMS Sevagram, 22 Jan 2013

- 29) **Anshu**
State level VAPM Postgraduate Quiz (*Quiz Master*) IGGMC Nagpur, 2 March 2013
- 30) **Anshu**
Project Meeting of Core Group: Obama-Singh 21st Century Knowledge Initiative to develop a Masters in Health Professions Education for India and USA, Pune, 24 Mar 2013
- 31) **Anshu**
Meeting of Board of Studies and Core group members: Developing a Competency based Curriculum for MUHS Nashik, 23 Mar 2013
- 32) **Anshu**
Workshop on manuscript writing by editors of Education for Health Pune, 27 Feb 2013
- 33) **Anshu**
Workshop on manuscript reviewing by editors of Education for Health Pune, 28 Feb 2013
- 34) **Anshu, Parashar D, Oza N, Negi S, Mendhe P, Singhal P**
Workshop on Leukemias and Lymphomas JNMC Sawangi Meghe, 26-27 Jan 2013
- 35) **Anshu, Singh S, Faith M.**
Workshop on team building skills. (*Faculty and resource person*) Pre-conference workshop, National Conference of Health Professions Education 2013 KEM Hospital, Mumbai, 25 Sep 2013
- 36) **Scallen MB, Anshu.**
Workshop on communication skills. (*Faculty and resource person*) PSG-FAIMER Institute, Coimbatore, 10 April 2013
- 37) **Anshu**
Workshop on Interprofessional Education. National Conference of Health Professions Education 2013 KEM Hospital, Mumbai, 25 Sep 2013

2014

- 38) **Anshu**
Meeting on Competency based Medical Education MUHS Nashik, 20 Mar 2014
- 39) **Anshu, Singh S, Awale P, Suryavanshi S, Telang S, Baxi G.**
Pre-conference Workshop on Competency based curriculum: shifting paradigms (*Faculty*) World Congress of Ayurveda, New Delhi, 6 Nov 2014
- 40) **Scallen MB, Dandekar S, Anshu, Salagre S.**
Workshop on Communication Skills. (*Faculty*) GSMC-FAIMER Institute, Mumbai, 8 Jun 2014

- 41) **Anshu.**
Workplace based assessment. (*Faculty*) 12th Advanced Course, IMETT, MUHS Pune, 14 Jul 2014
- 42) **Anshu, Salagre S.**
Mini Clinical Evaluation Exercise. (*Faculty*) GSMC-FAIMER Regional Institute, Mumbai, 9 Jun 2014
- 43) **Shah H, Anshu.**
Sustaining change. (*Faculty*) GSMC-FAIMER Regional Institute, Mumbai, 9 Jun 2014

2015

- 44) **Grant J, Anshu, Modi J.**
Qualitative research. (*Faculty*) CMCL-FAIMER Regional Institute, Ludhiana, 5 Feb 2015
- 45) **Anshu**
Project Meeting of Core Group. Obama-Singh 21st Century Knowledge Initiative to finalize a Masters in Health Professions Education for India and USA. 30-31 Mar 2015, Pune
- 46) **Anshu, Dandekar SP.**
Workshop on Effective communication and body language (*Faculty*) XII RESCON, Annual Research Society Conference 2015, Bharati Vidyapeeth University Medical College, Pune, 3 March 2015
- 47) **Anshu.**
Sessions on (1) Introduction to curriculum (2) Developing a curriculum (3) Evaluation and monitoring (4) Educational Research (*Faculty*) MUHS Advanced Course for Training of Teachers, MUHS Teachers' Training Centre, Pune, 11-13 Jan 2015
- 48) **Anshu.**
How to organize a medical education conference (*Guest speaker*) CME on 10th Anniversary Celebrations of CMCL-FAIMER Regional Institute, Ludhiana, 8 Feb 2015
- 49) **Anshu, Desai C, Badyal D.**
Educational Research. (*Faculty*) CMCL-FAIMER Regional Institute, Ludhiana, 5 Feb 2015.
- 50) **Anshu, Dandekar SP, Salagre S**
Workshop on mentoring skills (*Faculty and resource person*) GSMC-FAIMER Institute, Mumbai, 27 Apr 2015
- 51) **Anshu**
Sessions on (1) Blueprinting (2) Written Assessment- long and short answer questions (3) Multiple choice questions (4) Change management

- (5) Questionnaire design. (*Faculty and resource person*) Advanced Course in Health Sciences Education, IMETTT, Pune, 30 Jul-1 Aug 2015
- 52) **Anshu, Joshi M, Jayalakshmi, Chacko TV**
Abstract writing. (*Faculty and resource person*) PSG FAIMER Regional Institute, Coimbatore, 21 Jun 2015
- 53) **Anshu, Dandekar S, Joshi M, Ramalingam S, Chacko TV**
Good teaching practices: Competency based medical education. (*Faculty and resource person*) PSG FAIMER Regional Institute, Coimbatore, 21 Jun 2015
- 54) **Anshu, Dandekar S, Joshi M.**
Performance based assessment. (*Faculty and resource person*) PSG FAIMER Regional Institute, Coimbatore, 22 Jun 2015
- 55) **Joshi M, Anshu, Dandekar SP**
Reflective practice. (*Faculty and resource person*) PSG FAIMER Regional Institute, Coimbatore, 22 Jun 2015
- 56) **Anshu, Dandekar SP, Suvetha K, Jayalakshmi**
Sustaining change. (*Faculty and resource person*) PSG FAIMER Regional Institute, Coimbatore, 20 Jun 2015
- 57) **Anshu, Salagre S.**
Mini-CEX. (*Faculty and resource person*) GSMC-FAIMER Institute, Mumbai, 27 Apr 2015
- 58) **Anshu**
Training of trainers on Sample collection and pre-analytical best practices, Aug 2015
- 59) **Anshu**
IAP Basic Life Support (BLS) Provider and Instructor Workshop, Indian Academy of Pediatrics, MGIMS Sevagram, 5 Apr 2015
- 60) **Anshu**
Pre-conference workshop on “How to set up a skills laboratory” National Conference on Health Professions Education (NCHPE 2015), Maulana Azad Medical College, New Delhi, 19 Nov 2015
- 61) **Anshu**
Sensitization programme for AT-COM module at MCI Nodal Centre, JNMC Sawangi, 7 Sep 2015

2016

- 62) **Shivkumar VB**
Grand Challenges- All Children Thriving Community Meeting, Sponsored by Bill and Melinda Gates Foundation Nairobi, Kenya, 20-24 Feb 2016

ANNEXURE IV D: MEU WORKSHOPS

2011

- 1) Basic Workshop in Medical Education Technology: 28-30 Apr 2011
Faculty: Gupta A, Anshu
Participants: Dr Yogita Bhiogade, Dr Manisha Atram.

2012

- 2) Basic Workshop on Medical Education Technology: 16-18 Jan 2012.
Faculty: Gupta A, Anshu
- 3) Basic Workshop in Medical Education Technology: 28-30 Aug 2012
Faculty: Gupta A, Shivkumar VB, Anshu
Participants: Chavhan PS, Waghmare S

2013

- 4) Workshop on Multiple Choice Questions (MCQ) Construction 8-9 March 2013
Faculty: Gupta A, Anshu
- 5) Workshop on Mentoring 7 March 2013
Faculty: Anshu
- 6) Basic Workshop in Medical Education Technology: 19-21 Mar 2013
Coordinator: Anshu
Faculty: Gupta A, Shivkumar VB, Anshu
Participants: Dr Sachin A Badge.
- 7) Workshop on Curriculum Planning, 20 Dec 2013
Coordinator: Gupta A
Participants: Gupta A, Anshu

2014

- 8) National Conference on Health Professions Education, 24-27 Sep 2014
Organizing Secretary: Anshu
Treasurer: Shivkumar VB
Workshop Coordinator and Executive Member: Gupta A
- 9) Workshop on Engaging learners and promoting deep learning, 25 Sep 2014
Faculty: Shivkumar VB

- 10) Workshop on Curriculum Planning and Development, 25 Sep 2014
Faculty: Gupta A
- 11) Workshop on How to get your research paper published
Faculty: Anshu

2015

- 12) Basic Course Workshop in Medical Education Technology, 20-22Jan 2015
Faculty: Gupta A, Anshu
Participants Dr VB Shivkumar, Dr Bharat Patil, Dr Mangesh Kohale
- 13) Course on 'Developing e-Course with MOODLE' ;: 28 Feb – 27 Mar 2015
Faculty: Anshu
Participant: Gupta A
- 14) Blended learning course on 'Developing course with Moodle' (5 courses)
Dates : 2nd Course: 4 Apr –4 May 2015;
3rd Course: 27 Jun – 25 Jul 2015;
4th Course: 27 Jul-24 Aug 2015;
5th Course: 27 Jul – 24 Aug 2015; and
6th Course: 1-31 Aug 2015
Faculty: Gupta A, Anshu
Participants (4th Course) : Dr M Atram, Dr S Waghmare
Participants (5th Course) : Dr VB Shivkumar,
Participants (6th Course) : Dr B Patil, Dr M Kohale,
- 15) Workshop on 'Developing Good Study Skills'
Date : 25 Oct 2015.
Coordinator and Faculty: Dr Anshu
- 16) Workshop on Health Sciences Educational Technology for Nursing Faculty,
21-23 July 2015
Faculty: Gupta A, Shivkumar VB, Anshu

ANNEXURE IV E: RESEARCH METHODOLOGY WORKSHOPS

2011

Workshop in Research Methodology for Post-Graduate students 3-9 Oct 2011
Participants: Patil BU, Oza N, Sougajam R, Mendhe P

2012

Workshop in Research Methodology for Nursing students 24-27 Apr 2012
Faculty: Anshu

Workshop in Research Methodology for Post-Graduate students 6-12 Aug 2012
Faculty: Anshu

Participants: Vandna Yadav, Abhay Deshmukh,

Workshop in Research Methodology for postgraduates 17-24 Sep 2012

Faculty: Anshu

Participants: Priyamvada Singhal, Shubhangi Mangam

2013

Basic Workshop in Research Methodology for faculty 7-12 Jan 2013

Coordinator and resource person: Anshu

Basic Workshop in Research Methodology for faculty 18-22 Feb 2013

Faculty: Anshu

Participants:, Dr VB Shivkumar

Workshop on Research Methodology for Post-graduate Students, 26-31 Aug 2013

Faculty: Anshu

Participants: Dr Manish Kumar Singh, Dr Kirti Panwar

Workshop on Research Methodology for Post-graduate Students, 16-21 Dec 2013

Faculty: Anshu

Participants: Dr Shabana Ansari, Dr Bhaskar Jain

Workshop on Research Methodology for faculty, 12-14 Dec 2013

Faculty: Anshu

2014

Research Methodology Workshop for Post-graduate Students, : 4-9 Aug 2014 ,

Faculty :Dr Anshu

Participants : Dr Akash Chaudhari, Dr Hidayatulla Rehmatulla Khan

Research Methodology Workshop for Post-graduate Students, 25-30 Aug 2014

Faculty: Anshu

Participants : Dr Pravinkumar Ghongade, Dr Amol S Narote

Research Methodology Workshop for Faculty Members, : 10-15 Nov 2014

Faculty: Anshu

2015

Research Methodology Workshop for Post-graduate Students (1& 2)

Date : 21-26 Sep 2015, 28 Sep - 05 Oct 2015

Faculty: Anshu

Participants (1st Workshop) : Dr Jeshyca Shougrakpam, Dr Anamika Gupta

Participants (2nd Workshop): Dr Suddha Sattwa Bandyopadhyay, Dr Atul Ramdas Sonar

Research Methodology Workshop for Nursing Faculty, 21-23 Dec 2015

Faculty: Anshu

ANNEXURE V: AWARDS & FELLOWSHIPS

2011

- 1) Dr Nitin Gangane was awarded the International Fellowship in Cancer Epidemiology by the Association of Nordic Cancer Union in June-July 2011
- 2) Dr Anshu was awarded International Fellowship in Medical Education (IFME) for the year 2012 by the Foundation for Advancement of International Medical Education and Research (FAIMER) to pursue Masters in Health Professions Education (MHPE) from Maastricht University, 2012-14

2012

- 3) Dr Nitin Gangane was elected unopposed to the Management Council of the Maharashtra University of Health Sciences, Nashik for a five year term from 2013
- 4) Dr Nikita Oza won the Best Poster Award at the CYTOCON 2012 held at Bhubaneswar.
- 5) Yash Paliwal and Piyush Gadegone of 2010 batch won the State level Undergraduate Pathology Quiz conducted by Vidarbha Association of Pathologists and Microbiologists at GMC, Nagpur.
- 6) Shyam Meda and Prachi Pittalwar of 2011 batch won the First prize for the Hematology Elocution and Quiz contest conducted at IGGMC, Nagpur, 2 Feb 2013

2013

- 7) Dr Nitin Gangane was appointed as Acting Pro-Vice Chancellor of MUHS Nashik from 5 Feb to 24 Mar 2014.
- 8) Dr Nidhi Jais, Dr Veena Lakhotiya and Dr Sheetal Musmade won the Late Dr. Lalit Jain Memorial Post graduate Clinico-oncohematological quiz held at Indira Gandhi Government Medical College Nagpur on 5 Mar 2014.

- 9) Shyam Meda and Prachi Pittalwar of 2011 batch won the State level Undergraduate Pathology Quiz conducted by the Vidarbha Association for Pathologists and Microbiologists at GMC Nagpur.

2014

- 10) Dr Nitin Gangane was nominated as member of the Governing body of the Indian Council of Medical Research.
- 11) Dr Anupama Gupta was awarded the Shikshak Bhushan award by the Mahatma Gandhi International Hindi University on 5 Sep 2014.
- 12) Dr Anshu was awarded Masters in Health Professions Education (MHPE) with distinction from Maastricht University on 3 Jun 2014.
- 13) Dr Anshu was nominated as Member, Indian Advisory Board of Robbins & Cotran's Pathologic Basis of Disease, 9th edition, South Asia Edition (Ed: Kumar, Abbas, Fausto), 2014.
- 14) Dr Abhay Deshmukh and Dr Vandna Yadav were declared winner and runner up respectively for the Sushruta Award for the best thesis at MGIMS Sevagram.

2015

- 15) Dr Anshu was announced winner of best overall poster award at the Network towards Unity for Health (TUFH) conference held at Johannesburg, South Africa, 16 Sep 2015
- 16) Dr Vandna Yadav stood third in order of merit in the MD (Pathology) University Examination conducted by MUHS in 2015.

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANISED

- 1) **Title : National CME and Evidence Based Management of Carcinoma Breast**, (Organized by the Dept of Radiotherapy, Surgery & Pathology, MGIMS, Sevagram in collaboration with Tata Memorial Centre Mumbai). MGIMS, Sevagram,
Date : 12-13 Mar 2011.
No. of Delegates: 150
- 2) **Title : Guest lecture on Urothelial neoplasms of Urinary Bladder**
Key person: Dr Sangeeta Desai, Pathologist, Tata Memorial Hospital Mumbai.
Date : 13 Mar 2011
No. of Delegates: 24
- 3) **Theme : Meeting on Laboratory Accreditation**

Date : 13 Nov 2015

Organizing Secretary : Dr Nitin Gangane

Delegates : 30

Resource persons : Dr GS Yadav

Key topics : Issues with establishing your own diagnostic laboratory, requirements for NABL accreditation, medicolegal aspects of diagnostic practice

4) Theme : Slide Seminar on Interpretation of Kidney biopsy

Date : 18 Sep 2015

Organizing Secretary : Dr Nitin Gangane

Delegates : 25

Resource persons : Dr Sunil Deshpande

Key topics : Approach to diagnosis of kidney biopsies, slide seminar with hands on slide viewing

ANNEXURE VII: PRESENTATIONS

2011

1. **Gangane N.** Immunohistochemistry (*Guest lecture*) CME in Anatomy JNMC Sawangi, 6 Dec 2011
2. **Gangane N, Rathod P, Kumar A, Singh V.** Lobular granulomatous mastitis: a case report APCON 2011 Government Medical College, Patiala, 2-4 Dec 2011
3. **Gangane N.** Final group research proposal Cancer Epidemiology Workshop IARC, Lyon, France, 8 Jul 2011
4. **Gupta A.** Race: Where the four letter word is taking life sciences today XXXV Indian Social Science Congress, Wardha, 27-31 Dec 2011
5. **Anshu, Friedman S, McKinley D.** FAIMER Regional Institutes in India: Expectations and experiences of local stakeholders. Ottawa Conference on Assessment of Competence Kuala Lumpur, Malaysia, 9-13 Mar 2012
6. **Anshu.** Status of cytopathology training: the national scenario. Symposium on "How can we train our cytopathologists better". (*Moderator*) 41st National Conference of the Indian Academy of Cytologists, CYTOCON 2011, Dharwad, 10-13 Nov 2011
7. **Anshu, Friedman S, McKinley D.** Challenges of designing and implementing an evaluation of a faculty development programme. National Conference on Health Professions Education 2011, CMC Vellore, 11-16 Sep 2011

8. **Anshu, Friedman S, McKinley D, Burdick W.** Personal and professional impact of a medical education fellowship program on Indian faculty. Association of Medical Education of Europe (AMEE) 2011 Conference, Vienna, Austria, 27-31 Aug 2011
9. **Anshu.** Quantitative versus qualitative research in medical education. (*Guest lecture*) State level conference on Research in Medical Education: Opportunities and challenges, NKP Salve Institute of Medical Sciences, Nagpur, 13 Jan 2012
10. **Anshu.** Designing a questionnaire. (*Guest lecture*) State level conference on Research in Medical Education: Opportunities and challenges, NKP Salve Institute of Medical Sciences, Nagpur, 13 Jan 2012
11. **Kumar A.** Metaplastic carcinoma of breast: Cytological diagnosis and diagnostic pitfalls. CME organized by Vidarbha Association of Pathologists and Microbiologists Nagpur, 21 Aug 2011
12. **Waghmare S.** Cytodiagnosis of nerve abscess in Hansen's disease. CME organized by Vidarbha Association of Pathologists and Microbiologists Nagpur, 21 Aug 2011.

2012

13. **Waghmare S, Konsam V, Negi S, Oza N, Ingole NS, Gangane N.** Hemostatic alterations in liver diseases. MAPCON 2012, PDMC Amravati, 6-7 Oct 2012
14. **Kumar A, Mendhe P, Jais N, Ingole NS, Sharma SM, Gangane N.** An audit of blood bank services. MAPCON 2012, PDMC Amravati, 6-7 Oct 2012
15. **Mehra K, Singhal P, Mangam S, Gupta A, Gangane N.** Papillary variant of salivary duct carcinoma: cytological pitfall MAPCON 2012, PDMC Amravati, 6-7 Oct 2012
16. **Chavhan P, Atram M, Konsam V, Mendhe P, Anshu, Gangane N.** Cytomorphological spectrum of subcutaneous and intramuscular cysticercosis : A report of 12 cases MAPCON 2012, PDMC Amravati, 6-7 Oct 2012
17. **Mendhe P, Patil B, Anshu, Gangane N.** Cytomorphologic profile of lymphadenopathy in HIV infected persons CYTOCON 2012, Annual National Conference of Indian Academy of Cytologists, Kalinga Institute of Medical Sciences, Bhubaneswar, 30 Nov-3 Dec 2012
18. **Oza N, Anshu, Gangane N.** Diagnostic dilemmas in cytodiagnosis of chondroid lesions. (Best Poster Award) CYTOCON 2012, Annual National Conference of Indian Academy of Cytologists, Kalinga Institute of Medical Sciences, Bhubaneswar, 1-2 Dec 2012

19. **Jais N, Anshu, Gangane N.** Cytodiagnosis of Hodgkin's disease: Diagnostic pitfalls. CYTOCON 2012, Annual National Conference of Indian Academy of Cytologists, Kalinga Institute of Medical Sciences, Bhubaneswar, 1-2 Dec 2012
20. **Anshu** Introduction to Assessment. (*Faculty and resource person*) Basic Workshop in Teachers' Training. VSPM's Dental College and Research Centre, Nagpur, 29 Aug 2012
21. **Anshu** Small group teaching. (*Faculty and resource person*) Basic Workshop in Teachers' Training. VSPM's Dental College and Research Centre, Nagpur, 29 Aug 2012
22. **Badge SA.** Xanthogranulomatous pyelonephritis: case presentation in PG Quiz MAPCON 2012, PDMC Amravati, 6-7 Oct 2012
23. **Gupta A.** Philosophy of socialist economy: will we be able to amalgamate Gandhi, Ambedkar and Nehru (Key note address) International conference on Relevance of Ambedkar, Gandhi and Nehru's ideology in present scenario. SSCACS, Akola, Maharashtra. Oct 2012
24. **Reddy MVR, Goswami K, Deshmukh P, Anshu.** Assessment of undergraduate medical students' perception and knowledge of research. GSMC-FAIMER Regional Institute, Mumbai, 10 Jun 2012
25. **Anshu, Dongre A.** Summary and Recommendations of SEARAME-NCHPE 2012. SEARAME-NCHPE 2012, PSG Coimbatore, 5-8 Sep 2012
26. **Anshu.** Panel Discussion on How can we retain doctors in remote and rural areas. (*Panelist*) SEARAME-NCHPE 2012, PSG Coimbatore, 5-8 Sep 2012.

2013

27. **Mendhe P, Anshu, Gangane N.** Diagnostic utility of squash smears for rapid intraoperative diagnosis of lesions of the central nervous system. 62nd Annual Conference of Indian Association of Pathologists and Microbiologists. APCON 2013, Aurangabad, 14-15 Dec 2013.
28. **Jais N, Gangane N.** Expression of CD34, PCNA and VEGF in in-situ and invasive squamous cell carcinoma of cervix. 62nd Annual Conference of Indian Association of Pathologists and Microbiologists. APCON 2013, Aurangabad, 14-15 Dec 2013
29. **Oza NS, Ingole NS, Gangane N.** Study of ethylene diamine tetra acetic acid (EDTA) dependent pseudothrombocytopenia (PTCP) 62nd Annual Conference of Indian Association of Pathologists and Microbiologists. APCON 2013, Aurangabad, 14-15 Dec 2013
30. **Patil BU, Shivkumar VB, Gangane N.** Use of monoclonal antibody MOC-31 as an immunomarker for detecting metastatic adenocarcinoma

- effusion. 62nd Annual Conference of Indian Association of Pathologists and Microbiologists. APCON 2013, Aurangabad, 14-15 Dec 2013
31. **Mehra K, Gupta A, Gangane N, Sharma SM, Deotale V.** Intracystic papillary carcinoma in male breast: a rare case report. 62nd Annual Conference of Indian Association of Pathologists and Microbiologists. APCON 2013, Aurangabad, 14-15 Dec 2013
 32. **Chavhan PS, Shivkumar VB, Gangane N.** Anaplastic carcinoma associated with Hashimoto's thyroiditis: a rare synchronization. 62nd Annual Conference of Indian Association of Pathologists and Microbiologists. APCON 2013, Aurangabad, 14-15 Dec 2013
 33. **Waghmare S, Anshu, Gupta SS, Gangane N.** Cytomorphologic features in breast lesions diagnosed as 'papillary' on cytology. A logistic regression analysis study. CYTOCON 2013, Annual National Conference of Indian Academy of Cytologists, Pondicherry, 4-5 Oct 2013
 34. **Deshmukh A, Anshu, Gangane N.** Cytologic clues to diagnosis of metastases to liver. CYTOCON 2013, Annual National Conference of Indian Academy of Cytologists, Pondicherry, 4-5 Oct 2013
 35. **Singhal P, Anshu, Gangane N.** Cytological and clinical profile of gouty tophi: A report of nine cases. CYTOCON 2013, Annual National Conference of Indian Academy of Cytologists, Pondicherry, 4-5 Oct 2013
 36. **Yadav V, Mangam S, Anshu, Gangane N.** Diagnostic dilemmas in cytodagnosis of primary osteogenic sarcoma. CYTOCON 2013, Annual National Conference of Indian Academy of Cytologists, Pondicherry, 4-5 Oct 2013
 37. **Anshu, Desai C.** Educational Research. (*Faculty and resource person*) CMCL-FAIMER Regional Institute, Ludhiana, 6 Feb 2014
 38. **Grant J, Anshu, Desai C.** Qualitative research. (*Faculty and resource person*) CMCL-FAIMER Regional Institute, Ludhiana, 6 Feb 2014
 39. **Anshu.** Written Assessment. (*Faculty and resource person*) MUHS Advanced Course for Training of Teachers, MUHS Teachers' Training Centre, Pune, 19-21 Jan 2014
 40. **Anshu.** Blueprinting. (*Faculty and resource person*) MUHS Advanced Course for Training of Teachers, MUHS Teachers' Training Centre, Pune, 19-21 Jan 2014
 41. **Anshu.** Change management. (*Faculty and resource person*) MUHS Advanced Course for Training of Teachers, MUHS Teachers' Training Centre, Pune, 19-21 Jan 2014
 42. **Anshu.** Workplace based assessment. (*Faculty and resource person*) MUHS Advanced Course for Training of Teachers, MUHS Teachers' Training Centre, Pune, 19-21 Jan 2014

43. **Anshu.** Panel discussion on future of IAHPE. (*Panelist*) National Conference of Health Professions Education 2013, KEM Hospital, Mumbai, 27 Sep 2013
44. **Anshu, Burdick WP.** Scenario Planning (*Coordinator*) National Conference of Health Professions Education 2013, KEM Hospital, Mumbai, 26-28 Sep 2013
45. **Shah H, Anshu.** Sustaining change. (*Faculty and resource person*) GSMC-FAIMER Regional Institute, Mumbai, 6-8 Jun 2013
46. **Anshu, Dandekar S.** Communication skills (*Faculty and resource person*) GSMC-FAIMER Regional Institute, Mumbai, 6-8 Jun 2013
47. **Anshu.** Mini-clinical evaluation exercise (CEX). (*Faculty and resource person*) GSMC-FAIMER Regional Institute, Mumbai, 6-8 Jun 2013.
48. **Anshu, Faith M, Ramalingam S, Scallen MB.** Conflict Management. (*Faculty and resource person*) PSG-FAIMER Institute, Coimbatore, 6-10 Apr 2013
49. **Anshu, Faith M, Komala.** Change Management. (*Faculty and resource person*) PSG-FAIMER Institute, Coimbatore, 10 Apr 2013
50. **Bhandary S, Anshu, Jain A.** Assessment. (*Faculty and resource person*) PSG-FAIMER Institute, Coimbatore, 10 Apr 2013

2014

51. **Gupta A** Competencies redefined for health professionals and challenges to incorporate them into the curricula International conference on EBES, Vadodara, 20-22 Jun 2014.
52. **Mehra K, Gangane N** Expression of vascular endothelial growth factor (VEGF) protein in endometrium of women with menorrhagia and its correlation with endothelial cell markers MP Pathocon 2014, Indore, 11-12 Oct 2014
53. **Kohale M, Gupta A, Gangane N** Malignant mixed mullerian tumour: two case reports Cytocon 2014, Kota, 13-16 Nov 2014
54. **Jain B, Gupta A, Gangane N** Cytologic profile of primary pulmonary paraganglioma: A case report Cytocon 2014, Kota, 13-16 Nov 2014
55. **Singh M, Gupta A, Gangane N** Mucosa associated lymphoid tissue lymphoma in parotid gland: A case report Cytocon 2014, Kota, 13-16 Nov 2014
56. **Ansari S, Gupta A, Gangane N** Eccrine porocarcinoma of scalp with metastasis in cervical lymph node: A case report Cytocon 2014, Kota, 13-16 Nov 2014
57. **Yadav V, Anshu, Gangane N** Expression of HER-2/neu receptor in epithelial ovarian malignancies: A study of 50 cases APCON 2014, Pune, 4-7 Dec 2014

58. **Mangam S, Shivkumar VB, Gangane N** Role of micronucleus scoring in buccal smears and tumour fine needle aspirates in patients of breast carcinoma APCON 2014, Pune, 4-7 Dec 2014
59. **Deshmukh A, Gupta A, Gangane N** The prognostic significance of estrogen receptor and estrogen receptor in invasive luminal type A breast carcinoma patients APCON 2014, Pune, 4-7 Dec 2014
60. **Anshu, Gupta SS, Garg BS.** MGIMS Sevagram's Rural Placement Scheme: An innovative practice Towards Unity For Health. The Network Conference, Fortaleza Brazil, 23 Nov 2014
61. **Burch V, Anshu, Lamus F, Kiguli S.** Panel discussion on Meeting health needs: Preparing the workforce for the future. (*Panelist*) Towards Unity For Health. The Network Conference, Fortaleza, Brazil, 20 Nov 2014
62. **Arndell C, Lewis J, Marsiglia R, Anshu.** Symposium on Health care to minorities: strategies to teach cultural competence to undergraduate students. (*Faculty*) Towards Unity For Health. The Network Conference, Fortaleza, Brazil, 22 Nov 2014
63. **Anshu** Do pathologists need to be taught management skills? (*Guest speaker*) CME organized by Vidarbha Association of Pathologists and Microbiologists Nagpur, 12 Jun 2014
64. **Anshu, Govaerts M, Muijtjens A.** Does checklist use influence diagnostic accuracy in pathologists with intermediate experience? Faculty of Health, Medicine and Lifesciences, Maastricht University, Netherlands, 4 Jun 2014

2015

65. **Anshu, Gupta SS, Garg BS.** Transforming students into change agents Towards Unity For Health. The Network Conference, Johannesburg, South Africa, 14 Sep 2015
66. **Kalantri A, Anshu, Kalantri SP.** iPads at the point of care: transforming the way doctors work in rural hospitals. Towards Unity for Health. The Network Conference, Johannesburg, South Africa, 16 Sep 2015 (*Best overall poster winner*)
67. **Anshu.** Quality in Continuing Professional Development (*Guest Lecture*) Symposium on Roles of Regulatory bodies in maintaining Quality in Medical Education. National Conference on Health Professions Education (NCHPE 2015), Maulana Azad Medical College, New Delhi, 19 Nov 2015

ANNEXURE VIII: FUNDED RESEARCH PROJECTS

- 1. Rural Population Based Cancer Registry of Wardha District**
Gangane NM
Funded by ICMR, 2010 onwards
Rs 36.00 lakhs per year
- 2. Expression of vascular endothelial growth factor (VEGF) protein in endometrium of women with menorrhagia and its correlation with endothelial cell proliferation**
Gangane N, Chhabra S, Joshi D
Funded by ICMR, 2010 onwards
Rs 3.70 lakhs
- 3. Multi-centric hospital based surveillance of acute encephalitis syndrome for viral etiology among children in selected districts of Maharashtra and Andhra Pradesh**
Gangane N. (Co-PI)
Funded by provided by NIV (Pune) ICMR 2014
- 4. p53 and ras mutations in oral cancer in Central India**
Gangane N
Funded by UICC and NIH, 2010 onwards
Rs 4.50 lakhs
- 5. “HPV” Ahead . Role of human papillomavirus infection and other co-factors in the etiology of head and neck cancer in Europe and India**
Gangane N
Funded by IARC, 2011 onwards
Rs 7.50 lakhs
- 6. Expression of ER, PR, HER2/neu, Ki67 and p53 markers in Endometrial carcinoma: Clinicopathological implications and prognostic value**
Shivkumar VB, Atram M, Gangane N
Long Term Research Grant, MUHS Nashik, 2015 onwards.
Rs 1.0 lakh
- 7. Prognostic value of expression of cytokeratin 5/6, EGFR, E-cadherin and p53 in triple negative breast cancers in central India**
Anshu, Waghmare S, Gangane N

Long Term Research Grant, MUHS Nashik, 2015 onwards.
Rs 1.0 lakh

ANNEXURE: IX: STUDENT RESEARCH PROJECTS

PhD

- 1) **Kiran Mehra; Guide: Gangane NM.**
Expression of vascular endothelial growth factor (VEGF) protein in endometrium of women with menorrhagia and its correlation with endothelial cell markers

PG STUDENT RESEARCH PROJECTS

2011

- 2) **Nalinimohan C; Guide: Dr Sharma SM**
A comparative study of two commonly used staining techniques for demonstration of acid fast bacilli in FNA smears of suspected tubercular lymphadenopathy
- 3) **Sougaijam R; Guide: Dr Ingole NS**
Thrombocytosis: Age dependent etiology and utility of platelet volume indices in differential diagnosis
- 4) **Dhumal D; Guide: Dr Gupta**
A Profile of paediatric malignancies at a rural centre: a ten year study.
- 5) **Zonunfawni Y; Guide: Dr Anshu**
Study of anti-thyroid antibodies in benign lesions of thyroid with special reference to Hashimoto's thyroiditis
- 6) **Waghmare S; Guide: Dr Ingole NS**
Hemostatic alterations in liver disease
- 7) **Kumar A; Guide: Dr Sharma SM**
An audit of blood bank services

2012

- 8) **Wadhai S; Guide: Dr Shivkumar VB**
Placental pathology in pregnancy induced hypertension and its correlation with fetal outcome
- 9) **Negi S; Guide: Dr Anshu**
An immunohistochemical study of p63 expression in lesions of the thyroid
- 10) **Konsam V; Guide: Dr A Gupta**
Significance of platelet parameters in cases of iron deficiency anemia

2013

- 11) **Arora D; Guide: Dr Gangane NM**

- A study of histological profile of psoriasis
- 12) **Parashar D; Guide: Dr Ingole NS**
An audit of fresh frozen plasma usage and study of the effect of fresh frozen plasma transfusion on International Normalized Ratio (INR)
- 13) **Jais N; Guide: Dr Gangane NM**
Expression of CD34, PCNA and VEGF in in-situ and invasive squamous cell carcinoma of cervix
- 14) **Oza NS; Guide: Dr Ingole NS**
Study of ethylene diamine tetra acetic acid (EDTA) dependent pseudothrombocytopenia
- 15) **Patil BU; Guide: Dr Shivkumar VB**
Use of monoclonal antibody MOC-31 as immunomarker for detecting metastatic adenocarcinoma in effusion cytology
- 16) **Mendhe P; Guide: Dr Anshu**
Diagnostic utility of squash smears for rapid intraoperative diagnosis of lesions of the central nervous system.

2014

- 17) **Yadav V; Guide: Dr Gangane NM**
Expression of HER2/neu receptor in epithelial ovarian malignancies
- 18) **Deshmukh A; Guide: Dr Gupta**
A prognostic significance of estrogen receptor and estrogen receptor in invasive luminal type A carcinoma breast patients
- 19) **Mangam S; Guide: Dr Shivkumar VB**
Role of micronucleus scoring in buccal smears and tumor fine needle aspirates in patients with breast carcinoma

2015

- 20) **Singhal P; Guide: Dr NS Ingole**
Study of coagulation profile and platelet volume parameters in preeclampsia and eclampsia
- 21) **Singh M; Guide: Dr A Gupta**
Significance of heat shock protein 27 expression in carcinoma breast
- 22) **Jain B; Guide: Dr VB Shivkumar**
Correlation of morphological markers of chromosomal instability in fine needle aspiration cytology with grade of breast carcinoma
- 23) **Ansari S; Guide: Dr Anshu**
Utility of p16INK4a staining on cell blocks prepared from residual liquid based cervicovaginal material

UG STUDENT ICMR STS PROJECTS:

- 1) **Khurshid AA; Guide: Gupta A**

A prospective comparison of diagnostic yield and patient acceptance in aspiration cytology of palpable mass lesions using 22-G and 26-G needles.
Rs 10,000/-

- 2) **Agrawal P; Guide: Gupta A**
Significance of hematological examination in monitoring of unconjugated hyperbilirubinemia.
Rs 10,000/-
- 3) **Yadav A; Guide: Shivkumar VB**
Estimation of morphological markers of chromosomal instability in differentiating metastatic adenocarcinoma cells and reactive mesothelial cells in effusion cytology.
Rs 10,000/-
- 4) **Manvatkar S. Guide: Gangane NM.**
Prevalence and Risk Factors for Patient Delay Among Women With Breast Cancer in Rural India (2016)
Rs 10,000/-

UG STUDENT MUHS SHORT TERM RESEARCH PROJECT

- 5) **Manvatkar S. Guide: Gangane NM.**
Estrogen receptor, progesterone receptor and her 2 neu stauts in patients of breast carcinoma with reference to survival (.2015)
Rs 25000/-

DEPARTMENT OF MICROBIOLOGY

1. **Name of the Department :** MICROBIOLOGY
2. **Year of establishment :** 16th August 1980
3. **Is the Department part of a college/Faculty of the university?**
Yes , Department is part of Matatma Gandhi Institute of Medical Sciences, Sevagram
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) :**
 - MBBS
 - MD Microbiology,
 - Ph.D Microbiology
5. **Interdisciplinary programs and departments involved :**
Postgraduate students of Microbiology are posted for three months in the Department of Pathology
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** Not applicable
7. **Details of programs discontinued, if any, with reasons** –Not applicable
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :Annual**
 - MBBS - Internal assessment three per year,(semester examination), University examination annually. Other formative assessment also done at the end of semester .
 - MD: Postgraduate University examination at the end of 3 years.Formative assessments done at the end of posting monthly
9. **Participation of the department in the courses offered by other departments :**
 - Teaching & training of post graduate students of MD Pathology, MD Biochemistry, MD Anatomy and MD Community Medicine
10. **Number of teaching posts sanctioned, filled and actual(Professors/Associate Professors/Asst. Professors/others)**

Title	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3*
Associate Professor/Reader	1	1	1
Assistant Professor	2	2	2
Lecturer	-	-	-

Title	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3*
Tutor / Clinical Instructor	3	3	7
Senior Resident	-	-	-

(*) One Director-Professor

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.(Mrs).P.Narang	MD	Director-Professor	Microbiology	43yrs. 6mths.
Dr.Vijayshri Deotale	MD	Professor & Head	Microbiology	23yrs. 10mths.
Dr.Rahul Narang	MD PhD	Professor	Microbiology	14yrs.6 mths.
Dr.Dipak Thamke	MD	Assoc.Professor	Microbiology	17yrs.1 1mths.
Dr.Deepashri Maraskolhe	MD	Asst.Professor	Microbiology	7yrs. 10mths.
Dr.Ruchita Attal	MD	Asst.Professor	Microbiology	8 yrs. 4 mths
Dr.Pooja Shendre	MBBS	Tutor	Microbiology	6mths
Dr.Sreemanti Debnath	MBBS	Tutor	Microbiology	6mths
Dr.Supriya Meshram	MBBS	Tutor	Microbiology	6mths.
Dr.Yogendra Shelke	MBBS	Tutor	Microbiology	6mths
Dr.Nitin Rathod	MBBS	Tutor	Microbiology	6mths
Dr.Subhashish Roy	MBBS	Tutor	Microbiology	6mths
Dr.Saryauti Reang	MBBS	Tutor	Microbiology	6mths
Dr.Hitendra Dev	MBBS	Tutor	Microbiology	6mths

11. List of senior Visiting Fellows, adjunct faculty, emeritus professors-

Dr RA Ollar, Head of Molecular Biology, St. Vincent Hospital Asst. Professor of Neurology, New York Medical College
Director of Research &

Development, Raogene, USA Foreign Advisor for Mycobacterial & Nocardial diseases, Department of Microbiology, MGIMS, Sevagram

12. Percentage of classes taken by temporary faculty – program-wise information –

No temporary faculty present in Microbiology Department, MGIMS

13. Program-wise Student Teacher Ratio :

- 2nd MBBS Theory= 1:20, Practical Demonstration = 1:8
- MD – 1:1
- PhD- 1:1

14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Title	Sanctioned	Filled	Actual
Administrative Staff (Clerk)	1	1	1
Technical staff			
Laboratory technician	7	7	7
Lab.attendant	4	4	3

15. Research thrust areas as recognized by major funding agencies:

- Antibiotic resistance : In Gram negative and Gram positive organisms by using drug sensitivity testing and VITEK 2 .
- Neonatal sepsis : To know the prevalent organisms to cause neonatal sepsis .
- Tuberculosis : To isolate , identify, Mycobacterium Tuberculosis, NTMs, their drug resistance .
- Nontuberculous mycobacteriosis: Species identification and rapid detection .
- Zoonosis : Detection of prevalence of Leptospira , scrub typhus , Japanese encephalitis , Dengue , Brucella in febrile cases.
- Acute encephalitis Syndrome : Detection of prevalence of Japanese encephalitis, Chikungunya
- Laboratory Quality Control management : Adocacy programme for improving laboratory services
- Hospital Infection Control Programme
- Infectious disease surveillance : Prevalence of Dengue, Malaria in Wardha district .
- Sentinel surveillance program.

17. Number of faculty with ongoing projects from a) national b) international

funding agencies and c)Total grants received. Give the names of the funding agencies,project title and grants received project-wise.

Name of Investigator	Name of Project & Year	Total Budget	Funding agency
A : National :			
Dr Vijayshri Deotale Dr Deepashri Maraskolhe	Referral lab. for confirmation of diseases of public health importance under the IDSP (Integrated Disease surveillance Project) State surveillance net work. 2010	Rs.2,00,000/- (Grant not received since 2014)	Maharashtra Govt.
Dr.DK Mendiratta Dr.Dipak Thamke	Multicenter study on antimicrobial resistance monitoring of Salmonella typhi and Salmonella paratyphi – a – an attempt to make national guidelines to treat enteric fever 2010-2012	0.63 lakhs	ICMR
Dr.Dipak Thamke Dr Vijayshri Deotale Dr Ruchita Attal	Sentinel Surveillance Hospitals Vector Borne Disease. Oct.2011	Rs.1,00,000/ year	Pune, Maharashtra Govt
Dr.D K Mendiratta Dr. Vijayshri Deotale	A Population based surveillance of invasive disease caused by S.pneumoniae or H.influenzae or N.meningitidis in children less than 5 years of age in India (ASIP)	1.63 lakhs	ICMR
Dr P Narang Dr Rahul Narang	A prospective multi-centric cohort study to assess risk factors for unfavorable treatment outcomes, including recurrent TB, among sputum positive pulmonary tuberculosis patients treated with category I regimen of RNTCP. 2013-16	39,08,020/-	Central TB Division, New Delhi

Dr Rahul Narang Dr Vijayshri Deotale Dr Ruchita Attal	Multi centric hospital-based surveillance of acute encephalitis syndromes among children in selected districts of Maharashtra and Andhra Pradesh ICMR,2013-16	31,49,706/-	ICMR
Dr. Vijayshri Deotale Dr Deepashri Maraskolhe Dr Ruchita Attal	Labs.for Life 1 st Feb.2015	Non Funded	CDC & Maharashtra Health & Family Welfare Govt.of India
Dr Rahul Narang Dr Vijayshri Deotale Dr Deepashri	"Surveillance of select zoonotic diseases in central India" 1 st April,2015	87,43,539/-	ICMR
Dr Vijashri Deotale Dr Pratibha Narang Dr.Deepashri Maraskolhe Dr.Ruchita Attal	Drug Resistance Surveillance- Zonal Laboratory	50,00,000	ICMR
B			
Dr Mrs Pratibha Narang Dr Rahul Narang	Validation of LAMP TB test (Completed in 2011)	28,67,676	FIND Geneva

**18. Inter-institutional collaborative projects and associated grants received –
a) National collaboration**

Name of Investigator	Name of Project & Year	Amount received	Funding agency
Dr P Narang Dr Rahul Narang	A prospective multi-centric cohort study to assess risk factors for unfavorable treatment outcomes, including recurrent TB, among sputum positive pulmonary tuberculosis patients treated with category I regimen of RNTCP,2013-16	39,08,020/-	Central TB Division, New Delhi
Dr Rahul Narang Dr Vijayshri Deotale Dr Ruchita Attal	Multi centric hospital-based surveillance of acute encephalitis syndromes among children in selected	31,49,706/-	ICMR

	districts of Maharashtra and Andhra Pradesh, ICMR,2013-16		
Dr Rahul Narang Dr Vijayshri Deotale Dr Deepashri Maraskolhe	"Surveillance of select zoonotic diseases in central India", 1 st April,2015	87,43,539/-	ICMR

b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, CSSR, AICTE, etc.; total grants received. –

Name of Investigator	Name of Project & Year	Total Budget	Funding agency
Dr Rahul Narang Dr Vijayshri Deotale Dr Ruchita Attal	Multi centric hospital-based surveillance of acute encephalitis syndromes among children in selected districts of Maharashtra and Andhra Pradesh, ICMR,2013-16	53,36,394/-	ICMR
Dr Rahul Narang Dr Vijayshri Deotale Dr Deepashri Maraskolhe	"Surveillance of select zoonotic diseases in central India" 1 st April,2015	1,45,00,000/ -	ICMR

20. Research facility / centre with

- State recognition :
 - Prevention to parent to child transmission of HIV (PPTCT)
 - Integrated Disease Surveillance Programme (IDSP)
 - Sentinel Surveillance programme (SSH)
- National recognition:
 - ICTC
 - Investigations for AES cases for 4 districts of Maharashtra using IgM ELISA JE & PCR CHKV
 - Culture & DST for TB
 - Regional Reference Laboratory for Antibiotic Susceptibility testing.
- International recognition :
 - TB Culture Laboratory (FIND and Univ. of California, Berkeley)

21. Special research laboratories sponsored by / created by industry or

corporate bodies BSL-3 (Funded by KHS)

22. Publications: (Annexure IA)

- * Number of papers published in peer reviewed journals (national / international) 25 . See **Annexure IA**
- * Monographs – **Annexure IA**
- * Chapters in Books – **Annexure – I A**
- * Books edited - Nil
- * Books with ISBN with details of publishers - Nil
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * **Citation Index – range /average : 1 – 363 (22.29)**
- * SNIP - Nil
- * SJR - Nil
- * **Impact Factor – range / average - 0.8-40.217**
- * h-index - 7

23. Details of patents and income generated : None

24. Areas of consultancy and income generated :

Institutional policy does not permit any financial incentives to be taken for consultancy . However, the following faculty provide academic consultancy to different bodies.

- Dr Mrs Pratibha Narang is a member of Working Group on Influenza.
- Dr Mrs Pratibha Narang and Dr Rahul Narang are members of Working Group on Nontuberculous Mycobacteria.
- Dr Vijayshri Deotale is Subject Expert for Govt. of Chhatisgarh
- Dr.Vijayshri Deotale is Nodal Officer for Laboratory Quality Control with CDC & Ministry of Health.
- Dr. Rahul Narang and Dr Dipak Thamke are members of Subject Expert Committee on Newer Vaccines. Ministry of Health and Family Welfare, GOI.
- Dr Rahul Narang is a member of Committee on Essential Drug List, GOI.
- Dr Rahul Narang was Project Manager for CDC supported Project on Establishment of TB laboratories for India. (March 12 to Sept 2013)
- Dr Rahul Narang was In charge, International Center of Excellence for Laboratory Technology, National Tuberculosis Institute, Bangalore.

25. Faculty selected nationally / internationally to visit other laboratories /

institutions / industries in India and abroad – Annexure - II (All Meetings, Task Force meeting, Guest Lecture, Fellowship Training, Oration)

26. Faculty serving in - Annexure - III

a) National committees b) International committees c) Editorial Boards d) any other (specify)-

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). – Annexure - IV

ANNEXURE – IV – A – Conferences attended

ANNEXURE – IV –B – Courses attended

ANNEXURE – IV – C – Workshops attended

ANNEXURE – IV – D – MET workshop attended

ANNEXURE – IV – E- Research Methodology Workshop attended

28. Student projects - Annexure - VIII

- percentage of students who have taken up in-house projects including inter-departmental projects –

Undergraduate students submit short term studentship under ICMR-STs

Postgraduate Research work – 100%

- percentage of students doing projects in collaboration with other universities / industry / institute – Nil

29. Awards / recognitions received at the national and international level by Annexure - V

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstation participants, if any. – ANNEXURE - VI

31. Code of ethics for research followed by the departments

All the research projects are approved by Institutional Ethics Committee before they are started.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MBBS					
MBBS-2015	12871	46	54	100%	100%
MBBS-2014	15555	48	52	97.82%	100%
MBBS – 2013	8119	53	47	93.54%	100%
MBBS – 2012	16003	52	48	88.24%	100%
MBBS – 2011	12518	51	49	91.30%	95.24%
Postgraduates					
MD – 2015	247	02	01	100%	00%

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MBBS					
MD-2014	265	02	02	75%	00%
MD-2013	191	00	01	50%	50%
MD-2012	149	03	00	75%	25%
MD-2011	205	03	00	00%	100%
PhD Microbiology		03	1	1 %	0%

33. Diversity of students

MBBS programme : MBBS students selected through common premedical entrance from all over the country.

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD (Microbiology)	4 (16.6%)	12 (50%)	8 (33.3%)	0
PhD	1(25%)	2(50%)	1(25%)	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. – Not applicable

35. Student progression

Admission done through national selection committee.

Student progression	Percentage against enrolled
UG to PG	Only four students from internal candidates (MGIMS) opted for MD Micro. Rest are from outside MGIMS.
PG to M.Phil,DM / M Ch / DNB	2 (13.3%)
PG to Ph.D.	1 (7%)
Ph.D. to Post-Doctoral	Nil
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	100%

Student progression	Percentage against enrolled
Entrepreneurs	1 (7%)

36. Diversity of staff

Percentage of faculty who are graduates	
same university	MUHS Nashik. – 1 (16%)
other universities within the State	Nagpur Uni. – 3 (84%) Deemed Uni. – 1(16%)
universities from other States	Delhi Uni. – 1 (16%)
from universities outside the country	Not applicable

37. Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period :

Dr.Rahul Narang PhD (2010)

38. Present details of departmental infrastructural facilities with regard to

a) Library – Books (central & Departmental)

Department Library :

- a) Books : **247**
- b) Manuals: **133**
- c) Journals : **14**

Central Library :

- a) Books : 625
- b) Journal: 23 Indian 27 foreign journals

The online MUHS library facility is also available for use by the students.

b) Internet facilities for staff and students - Whole campus is wifi supported.

c) Total number of class rooms- **4**

1 (Lecture Hall)+1(Demonstration Room)+1 (Practical Hall)+ 1 Seminar Room

d) Class rooms with ICT facility and ‘smart’ class rooms – All class rooms are wifi enabled and LCD projection facilities are available

- Aids available: Overhead projectors-2/LCD projectors-2/Epidiastope-1 : Modern teaching aids are being used to add impact and clarity to the lecture, visually reinforce the points made verbally, summarize the points made as well as visually clarify important concepts and analogies.
- Teaching is imparted in the form of didactic lectures, small groups tutorials, demonstrations, group discussions and quizzes. Question paper formats are discussed with students. Postgraduate students have discussions and

presentations on recent advances. Students are asked to maintain log books, visit other institutions and are posted in various sections of the department and in allied branches.

- For tutorials, students are divided in four batches under the charge of a faculty. Topics are informed to students in advance. Students come prepared for the tutorial. After the question answer session faculty not only clear the doubts related to the topic but also advises them on how should they answer various types of questions in the examination. Template of answering theory questions are discussed with them.
 - During demonstrations, each small group of students are made aware of various practical aspects of the topic under discussion. Questions related to demonstration discussed.
 - Clinical microbiology topics presented by faculty- predominantly an interactive session.
 - Discussion on recent advances, upcoming newer topics pertaining to subjects are discussed.
 - Small group discussion, quizzes, seminars are organized for undergraduate students.
 - Lecture teaching includes all aspects of microteaching.
 - The department has a well equipped museum. Students are explained topics through charts, models, specimens etc.
- e) **Students' laboratory** : One (Size 135 Sqmt, Capacity: 66 students)- :
Binocular Microscopes are available
- f) **Research laboratories** : Yes (Size – 33sqm)
The department has laboratories as per MCI requirement viz: Bacteriology lab.(Aerobic/anerobic/Blood culture), Mycobacteriology, Mycology, serology, Immunology, Virology, Parasitology, Postgraduate, Molecular, Museum, Clinical Microbiology lab., Sample Collection, central research Lab. The labs are well equipped for teaching, training and diagnosis.

39. List of doctoral, post-doctoral students and Research Associates –

- a) from the host institution/university
- b) from other institutions/universities: **1 (SRF) and One (Research Assistant)**

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

This exercise is undertaken at level of MUHS. The staff members who are on the

Board of Studies represent our feedback to University

42. Does the department obtain feedback from:

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, faculty feedback taken on teaching learning and assessment in departmental meetings with heads of department. Present status of course is assessed. After an appreciative enquiry with students, two methods of teaching were introduced on regular basis: quiz and group discussion. As part of PSG FAIMER Fellowship project small group discussions were evaluated and found to be quite effective for the students. One method was tested for this- Collaborative learning using jigsaw technique.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The IQAC collects student feedback. This feedback is analysed and corrective action is taken where required.

c) alumni and employers on the programs offered and how does the department utilize the feedback?

Yes. This is done at the institutional level. Some changes have been made with suggestions of departmental alumni

- Dr.Manjusha Dudhe Consultant Infection Control in U.K. gives suggestions on improvement in Hospital Infection Control.
- One of our alumnus is Dr Prabha Desikan, Incharge National Reference TB Lab Bhopal. Her suggestions are sought on improvement of the lab.

43. List the distinguished alumni of the department (maximum 10)

- Dr Rajni Gaiind, Professor & Head, RML Hospital, New Delhi
- Dr Vishalakshi Murthy, Ex Microbiologist, National Reference TB Laboratory, New Delhi
- Dr Manjusha Dudhe, Consultant, Infection Control, U.K
- Dr Varsha Vasekar, Professor & Head, MM Institute of Medical Sciences, Mulana
- Dr Prabha Desikan, In charge, National Reference TB Lab, Bhopal
- Dr Vijayshri Deotale, Prof & Head, Microbiology, MGIMS Sevagram
- Dr Rahul Narang, Professor Microbiology and Former Incharge International Center of Excellence in Laboratory Technology, National TB Institute, Bangalore
- Dr Sangeeta Dey, Professor & Head, Medical College, Katihar
- Dr Sandeep Dogra, Associate Professor, Govt Med College, Jammu

- Dr Ujjwala Raut, Assistant Professor, AIIMS Raipur

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

We have Academy of Medical Sciences, where every Wednesday distinguished external and internal speakers deliver lectures. The Department conducts workshops and Seminars as well as promotes students to participate in external workshops as well. Students are open to present their research work in the Academy of Medical Sciences.

- Horizontal integration as a innovative teaching methodology is adopted .
- Small group discussion and quizzes prior to the semester examination so that students prepare and get ready for the examinatio.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Didactic lectures
- Lectures using AV aidss
- Demonstrations
- Tutorials
- Quiz
- Group Discussion
- Collaborative learning
- Micro teaching

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Undergraduate students : assessment by conducting semester examination and results of annual university examination and mentors meeting .
- Postgraduate students : Monthly evaluation, Seminars, quizzes, , question writing semester examination and Pre university mock test.

47. Highlight the participation of students and faculty in extension activities.

Student & faculty : Conducting short term ICMR studentship projects, under the guideship of faculties.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Participation in Medical Education programmes and research merthodology workshops
- Presenting Short Term Studentship Projects of ICMR in conferences (Medicon)

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- Labs For Life has assessed the laboratory and graded it- **22nd March 2015 (Scored- 70%)**.
- Date of MBBS recognition by MCI : **22nd April 1976**
- Date of MD Recognition by MCI: **22nd November 1999**
- Date of Ph.D recognition from MUHS :
 - **25th October 1999 (Nagpur University)**
 - **21st August 2008 (MUHS Univercity)**
- MCI inspection date (last) -**5th February 2016**.
- MUHS inspection date (last) – **2nd March 2015**
- TB- NRL Bangalore, RNTCP-**24th April 2016**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- BSL-3 laboratory for highly infectious organisms
- Clinical Microbiology laboratory - **24/7**.
- Formation of Hospital Infection Committee for infection prevention .
- NTM: Isolation techniques from clinical and environmental samples using paraffin slide culture technique. Isolation of unusual species of NTM from clinical samples.
TB: Prevalence of pulmonary and extrapulmonary TB in Wardha district. Drug resistance Surveillance.
- Laboratory Quality Control Programme

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Weaknesses
<ol style="list-style-type: none"> 1. Strong support from management to grow/upgrade the Department. 2. Well equipped laboratories having BioSafety Class IIa cabinets, latest BSL-3Lab and Good quality equipment (Lypholizer, -70, -20, deep freezer) . 3. Recognition of laboratory at State & National level. 4. Faculty development by permitting to attend courses and workshop. 5. Dedicated faculty work for Department 	<ol style="list-style-type: none"> 1. Space constraints 2. Due to diagnostic and student targeted services faculty constraints

Opportunities	Challenges
<ol style="list-style-type: none"> 1. Involvement in the Labs for Life project is preparing the department for NABL accreditation for labs 2. To act as training center 3. To write further projects strengthening our labs 4. Expansion of laboratory facilities to provide patients care. 	<ol style="list-style-type: none"> 1. Equipment maintenance (AMC and CMC) 2. Rapid Molecular based diagnostic laboratory _ RT-PCR. 3. National recognition of laboratory as a reference center for laboratory for virology, serology.

52. Future plans of the department.

Strategic Plan 2015-2020

Teaching :

1. Improvement in the quality of undergraduate & postgraduate teaching : introducing innovative teaching learning methods.
2. Contributions of postgraduate students : research work .
3. To change the concept of Microbiology : Clinical orientated teaching

Recognition of Laboratory :

State Level :

1. Accreditation of laboratories HIV ,Bacteriology .

Diagnostic :

1. Reference centre for Antibiotic resistance at national Level
2. To set up a state level Virology diagnostic Laboratory.
3. To contribute towards setting up of National Institute of Zoonosis at Nagpur.
4. To write proposal for receive international projects for Mycobacteria.
5. To upgrade Mycobacteriology Laboratory Line Probe assays.
6. Diagnostic Molecular Mycology reference laboratory : State Level.

Patient Care:

- Availibility of diagnostic technique to give rapid reports for urgent treatment of patient.
- Training programme for hospital staff for Hospital infection prevention
- Set up a Antibiotic policy

Organisation of workshops & Conferences:

- Mycological Technique
- State level Microbiology conference.

Annual Plan 2015-16

Objectives:

1. To improve teaching-learning activities for UG and PG in the department. Ongoing
2. To set up a BSL-3 Laboratory using best quality equipments. Ongoing. Achieved 75%
3. To establish biosafety in the department. Ongoing
4. To work towards NABL accreditation for various sections. Ongoing
5. To write a proposal for setting up virology lab. Ongoing
6. To establish investigations for Zoonosis prevalent in Wardha. Ongoing
7. To prepare for annual workshop on Mycobacteriology and Mycology. Yet to start

Proposed Annual Plan 2016-17

Objectives:

1. To improve teaching-learning activities for UG and PG in the department.
2. To establish complete biosafety in the department.
3. To get at least one section NABL accredited.
4. To submit a proposal to ICMR for setting up virology lab.
5. To establish investigations for prevalent Zoonosis for large government hospitals in Wardha.
6. To prepare agenda for Vidarbha level workshop on Mycology.

ANNEXURES FROM DEPARTMENT OF MICROBIOLOGY

Annexure – 1A PUBLICATIONS DURING LAST FIVE YEARS

2012	
1	Raut, U, Rantai S, Narang P, Chauhan D S, Chahar M , Narang,R , Mendiratta D K Comparison of MTT tube with conventional method and real time PCR for detection of rifampicin in Mycobacterium tuberculosis. <i>Indian J Med Microbiol 2012;30:81-84</i>
2	Raut U, Narang, P, Chauhan DS, Chahar M , Narang R, Mendiratta D K

	<p>Comparison of the 3-(4,5-dimethylthiazole-2-yl)-2,5 diphenyltetrazolium bromide tube method with the conventional method and real-time polymerase chain reaction for the detection of rifampicin resistance in <i>Mycobacterium tuberculosis</i>. <i>Indian J Med Microbiol</i>,(2012): 30(1):81-84</p>
3	<p>Buchunde S, Mendiratta D K , Deotale V, Narang P Comparison of disc and MIC reduction methods with polymerase chain reaction for the detection of Metallo lactamase in <i>Pseudomonas aeruginosa</i>. <i>Indian J Med Microbiol</i> 2012; 1:170-174.</p>
4	<p>Purohit M, Mendiratta D K, Deotale VS, Madha M , Manoharan A, Narang P. Detection of Metallo- Lactamases producing <i>Acinetobacter baumannii</i> using microbiological assay disc synergy test and PCR . <i>Ind J Med Microbiol</i> 2012 ; 30 (4) : 456-61.</p>
5	<p>Basak S, Rajurkar M, Attal R , Mallick SK. Intensive Care Unit : A Breeding Ground For Antibiotic Resistant Bacteria <i>International J Current Res and Rev</i> 2012 ; 7:141-8</p>
6	<p>Pande K, Mendiratta D K, Deotale V, Thamke D, Narang P SXT constin among <i>Vibrio cholerae</i> isolates from a tertiary care hospital <i>Indian J Med Res</i> 135, 2012; pp 346-350</p>
7	<p>Manoharan A, Sugumar,M KumarA, Jose H, Mathai D & ICMR-ESBL study group** Mendiratta D K & Deotale V Phenotypic & molecular characterization of AmpC -lactamases among <i>Escherichia coli</i>, <i>Klebsiella</i> spp. & <i>Enterobacter</i> spp. from five Indian Medical Centers <i>Indian J Med Res</i> 135, March 2012, pp 359-364</p>
8	<p>Purohit M., Deotale VS , M Madhan, A Manoharan, P Narang Detection of metallo- -lactamases producing <i>Acinetobacter baumannii</i> using microbiological assay, disc synergy test and PCR <i>Ind J Med Microbiol</i> 2012 ;; Volume : 30 ; Issue : 4 , , 456-461</p>
2014	
9	<p>Thamke D C, Mendiratta D K, Dhabarde A, Shukla A K <i>Engyodontium album</i> from mycotic keratitis: A rare case report <i>SIHAM MYCOSES Newsletter Jan 2014;14</i></p>
10	<p>Narang P, Narang U Antibiotic Resistance : a global menace to human health <i>The Indian Practitioner , Editorial</i>,Vol.67, No.4, Apr.2014,194-195</p>
11	<p>Maraskolhe D L, Deotale V S, Mendiratta D K.,Narang P Comparison of three laboratory tests for detection of Ampc lactamases in</p>

	Klebsiella species and E.coli. <i>J Clin and Diagn res</i> ;2014 ;8(6): 5-8.(PMID :25120977)
2015	
12	Deotale V S, Attal R, Joshi S, Bankar N Correlation between biofilm formation and highly drug resistant Correlation between biofilm formation and highly drug resistant uropathogens. <i>Int J Curr Res Rev</i> 2015;7(2):61-65
13	Deotale V S, Attal R, Narang P Increase in antibiotic resistance! Are bacteria growing with PAN drug resistance?? <i>Int J Curr Res Rev</i> 2015;7(3) :43-47
14	Lakhmawar S, Thamke D C, Jain S Evaluation of E Test Strips ESYMIC of Fluconazole & HICOMB MIC of Ketoconazole for Antifungal Susceptibility Testing of Trichophyton Species <i>Int J Health Sci & Res</i> (www.ijhsr.org) 105 Vol.5; Issue: 4; April 2015
15	Ambade V, Thamke D, Deotale V Cell Surface Hydrophobicity and Biofilm Formation among Clinical Isolates of Candida <i>International Journal of Health Sciences & Research</i> 85(5); Issue: 4; April 2015
16	Thamke D, Ambade V Coagulase Activity in Clinical Isolates of Candida <i>JMSCR Volume 2, Issue 9 September 2014</i>
17	Thamke D C Tayade, H A, Tayade S A, Bankar N. J. and. Rathod N.G Biofilm formation among <i>Candida albicans</i> isolated from vagina <i>IJBAR</i> (2014) 05 (12) www.ssjournals.com
18	Maraskolhe D, Deotale V, Patil B Neutral red staining and trypsin treatment to study viability and culture yield of Dermatophytes <i>International Archives of Integrated Medicine</i> ,2015;2(2):22-26.
19	Attal R, Chaudhary R, Deotale V, Jain S P A clinicomycological study of onychomycosis in a rural hospital in Central India <i>International Journal of Research in Medical Sciences</i> <i>Int J Res Med Sci.</i> 2015 May;3(5):1131-1137
20	Deotale V. S., Attal R., Narang P Increase in antibiotic resistance : Are Bacteria growing with plan resistance? <i>Int J Cur Res Rev</i> Vol 7 • Issue 3 • February 2015

21	Deotale V. S., Attal R, Joshi S., Bankar N. Correlation between Biofilm formation and highly drug Resistant Uropathogens (HDRU) Int J Cur Res Rev Vol 7 • Issue 2 • January 2015
22	Narang P, Mendiratta D K, Tyagi N K, Jajoo U N, Parihar P H, Narang Rahul, Mishra P S, Sharda M A, Chadha V K Prevalence of Pulmonary Tuberculosis in Wardha District of Maharashtra, Central India. <i>J of Epidemiology and Gobal Health</i> 2015; 5(4):511-518
23	Das S, Narang P, Nagamiah, Mishra P S, Deotale V, Mendiratta D K . Evaluation of variants of carbol fuchsin solution to stain acid-fast bacill in - situ by the pot method . <i>Int J Tuberc Dis</i> 19(12) : 000-000@2015 The Union, http://dx.doi.org/10.5588/ijtld.15.0272
24	Narang R Drug susceptibility of Mycobacterium avium and Mycobacterium simiae isolated in a rural hospital in Central India <i>Intl J of Advanced Research</i> 2015; 3(8):414-419.
25	Patel A B, Bang A, Singh Meenu, Dhande L, Chelliah L R, Malik A, Khadse S and ISPOT study Group (Deotale V) Role of probiotics VSL#3 in prevention of suspected sepsis in low birth weight infants in India a randomized controlled trial BMJ Open 2015; 5:e006564. Doi:10.1136/bmjopen-2014-006564.

ANNEXURE – 1B: CHAPTERS IN BOOKS

- * **Dr Rahul Narang**
Building Global Capacity for diagnostic testing of TB, Malaria and HIV through laboratory strengthening and services. **Progress report** : President's emergency plan for AIDS relief (PEPFAR) Oct.2010-Sep.2013.
- * **Basak S Rajurkar M, Attal R and Sanjaykumar M**
Biofilm : a challenge to Medical Fraternity in Infection Control. Chapter 3, P.57-74, Dr.Silpi Basak(Ed), ISBN:978-953-51-1145-0, InTech.DOI:10.5772/55649.Available from : <http://www.intechopen.com/books/infection-control/biofilms-a-challenge-to-medical-fraternity-in-infection-control>, May 2013.

- * **Basak S, Attal R, Rajurkar M**
Pseudomonas Aeruginosa and Newer β -Lactamases: An Emerging Resistance threat. Chapter 11, *Infection Control – Updates*, pg.181-198

ANNEXURE I D: MONOGRAPHS

Monograph:

Rahul Narang: Zoonosis in central India with special reference to Scrub Typhus in proceedings of 1st Annual Conference of SRL and NAWAR and National Symposium on Concepts in Zoonosis and Health in New Millenium 2015.

Manuals:

Vijayshri Deotale and Ruchita Attal: Standard Operating Procedure (SOP) on Hospital Infection Control for Kasturba Hospital Sevagram .Feb 2015

Rahul Narang: AFB Smear Microscopy Manual. Ethiopian Health and Nutrition Research Institute, Federal Ministry of Health, Addis Ababa, Ethiopia. April 2009.

ANNEXURE – II: GUEST LECTURES & TASK FORCE MEETINGS

A) Guest lectures :

Dr.Mrs.P.Narang :

1. Mycobacterial drug resistance
Vidarbha Association of Pathologists & Microbiologists, Nagpur
CME on cytology of Mycobacterial and parasitic infections / TFB, 10 Apr 2011.
2. Tryst with Mycobacterium in laboratory and field - IAMM Endowment Award Oration.
XXXV National conference of IAMM MICROCON-2011, BHU, aranasi 23-26 Nov.2011
3. Diagnosis of Hospital Acquired super bugs
International CME Cum conference -2012, Dept. of Microbiology, MMIMSR, Mullana, Ambala, 4-5 Feb 2012.
4. Importance of human relation in nursing/ human care .
Workshop on human relation in health care under the centrally sponsored scheme of Training of Nurses” sponsored by Ministry of Health and Family welfare.KHS, Sevagram, 10th Sept 2012 .

5. Experience in Mycobacterial Research in field and laboratory.
18th short Term training course on Immunological and molecular techniques as applied for infectious diseases.
Department of Biochemistry, MGIMS, Sevagram 28th Jan to 2nd Feb 2013.
6. Speciation and Drug Susceptibility of Non *Tuberculous Mycobacteria* isolates from symptomatics for pulmonary tuberculosis.
67th National Conference on Tuberculosis and Chest diseases (NATCON 2012) Patna, Bihar, 8 – 10th Feb,2013.
7. Research experience with Mycobacteria – in laboratory and field.
7th Annual Odisha Chapter of Indian Association of Medical Microbiologists at the Indian Institute of Medical Sciences and SUM Hospital, Bhubaneshwar, 29 Sep.2013.
8. Laboratory diagnosis of Tuberculosis – an update
Vidarbha Association of Pathologists & Microbiologists meet, Nagpur 12 Jan.2014
9. Leadership Dilemmas for women in Academic Medicine
XX Maharashtra Chapter Conference of IAMM, Hotel Ashoka, Nagpur, 20 – 21 Sep.2014
10. Presidential Oration : Time to recognize NTM
38th MICROCON 2014 – Annual Conference of IAMM, SMS Medical College, Jaipur, 15- 19 Oct.2014
11. Guest Lecture : Laboratory diagnosis of human seasonal & pandemic influenza.
Influenza Foundation India and Vidarbha Association of Medical Microbiology, 24 Jul 2015
12. Expert talk : Non tuberculous Mycobacterial diseases and their management at Colloquium on Mycobacterial Diseases : international status and priorities, Amity University, Jaipur 12-13 April,2016.

Dr. Vijayshri Deotale :

1. Detection of -lactamases, JNMC, Sawangi, Meghe 25 Jan 2012
2. Hospital design
Orientation Workshop : For Approval from MoHFW, NNHSRC is Supporting the Madhya Pradesh Govt. for creating Model district and Implementing GoI/State Protocol and Practices.
National Health Mission, Dept.of Health & Family welfare, Govt. of Madhya Pradesh, at Administrative Academy Bhopal, 6 Feb.2016.
3. About MGIMS Sevagram, Meeting with Health Secretary, Maharashtra, Mumbai, July 2015

Dr.Rahul Narang :

1. Integration of Laboratory Services in resource limited Health-care settings. Academy of Medical Sciences, MGIMS Sevagram on 7th January 2015.
2. Diagnosis of Malaria/JE/Dengue/CHK/ Differential Diagnosis of laboratory services, quality assurance. National Vector Borne Disease Programme, Training programme for Medical Officers, HFWTC Nagpur, 26 May 2015
3. Guest Lecture : Clinical features, Treatment of Cerebral Malaria & management of severe and complicated malaria , National Vector Borne Disease Programme, Training programme for Medical Officers, HFWTC, Nagpur, 26 May 2015.
4. Guest Lecture : Laboratory diagnosis of Malaria/JE/Dengue/CHK National Vector Borne Disease Control Programme (Training Programme for Medical Officers) H.F.W.T.C, Nagpur, 16 Jun 2015
5. Oral Presentation : Paraffin Slide Culture as a useful tool in a diagnosis of NTM. CME “An update on Tuberculosis and Non tuberculous Mycobacteria with demonstration of Paraffin Slide Culture technique to diagnose NTM, Dept. of Microbiology, SMS College , Jaipur, 21 Sep 2015.
6. TB diagnostics : Advances in the landscape XXXIX National Conference of Indian association of Medical Microbiologists, JIPMER, Pondichery 25-29 Nov.2105
7. Guest Lecture : Biology of Orientia Tinutsugamuchi, Nagpur Veterinary College 18 Feb.2016.

B. Meetings :

Dr.Mrs.P.Narang :

1. Programatic Management of Drug Resistance (PMDT) Meeting at Aurangabad on 21st & 22nd Feb 2013
2. Project meeting at NTI, Bangalore on 16 Jan.2014 & at NIRT Chennai on 17 Jan.2014.
3. Influenza Foundation India, Mumbai, 30 Aug 2015
4. ICMR Meeting on Antimicrobial Resistance Surveillance Network at New Delhi, 17-18 Feb.2016.
5. Project Meeting : Multicentric cohort study on Recurrence of Tuberculosis in new smear positive Pulmonary TB patients on treatment under RNTCP, National Institute for Research in Tuberculosis, Chennai. 16th March, 2016

Dr.Vijayshri Deotale

1. AES Project Meeting on 15 Nov.2014 at NIV, Pune
2. Project meeting of Lab. for Life at New Delhi on 26th & 27th Feb.2015
3. Subject Expert Meeting
Orientation Workshop : For Approval from MoHFW, NNHSRC is Supporting the Madhya Pradesh Govt. for creating Model district and Implementing GoI/State Protocol and Practices., National Health Mission, Dept.of Health & Family welfare, Govt. of Madhya Pradesh, at Administrative Academy Bhopal, 6 Feb.2016.

Dr.Rahul Narang:

4. Multi-centric hospital-based surveillance of acute encephalitis syndrome for viral etiology among children in selected districts of Maharashtra and Andhra Pradesh. ICMR AES Task Force Project. Meeting of investigators & health officials. Organised by: National Institute of Virology, Pune at MGIMS Sevagram on 6th August 2014.
5. AES Project Meeting with Health Officials and Investigators at MGIMS Sevagram, 26th November, 2014
6. Subject Expert Committee (SEC) meeting on Newer Vaccines, at FDA Drugs Controller General (India) MOHFW, Govt. of India on 12th Jan 2015.
7. Meeting of the SEC(vaccine) at the office of the Drugs Controller General(India), New Delhi, 29/7/2015
8. ICMR Project meeting on Acute Encephalitis Syndrome with NIV, Pune, 12-13 Jun,2015.
9. State Task Force (Maharashtra) Workshop cum meeting organized by State TB Cell Govt. of Maharashtra organized by State TB Cell, Govt. of Maharashtra Indira Gandhi Govt. Medical College , Nagpur & District TB Office, Nagpur, 20 Jun 2015
10. Project Meeting : Multicentric cohort study on Recurrence of Tuberculosis in new smear Positive Pulmonary TB patients on treatment under RNTCP on at National Institute for Research in Tuberculosis, Chennai, 16 Mar 2016
11. Subject Expert Group meeting on SEC Vaccines in FDA Biological Division, CDSCO New Delhi, 21Mar 2016.
12. Expert Review Meeting on 7/4/16 at ICMR Head Quarters,New Delhi

Dr.D.C.Thamke :

1. Zonal Task force Meeting under RNTCP at NKP Salwe, Wanadongari Hingana Nagpur.

Dr Ruchita Attal

1. SSH Project meeting on 5/12/12 at Malaria office Nagpur under NVBDCP .

2. Multi-centric hospital-based surveillance of acute encephalitis syndrome for viral etiology among children in selected districts of Maharashtra and Andhra Pradesh. ICMR AES Task Force Project. Meeting of investigators & health officials. Organised by: National Institute of Virology, Pune at MGIMS Sevagram on 6th August 2014.
3. AES Project Meeting on 15 Nov.2014 at NIV, Pune
4. Project meeting of Lab. for Life at New Delhi on 26th & 27th Feb.2015

ANNEXURE – III: EXTRA-INSTITUTIONAL RESPONSIBILITIES

Dr.(Mrs).P.Narang :

a) National Committees :

Ex-President of Indian Association of Medical Microbiology
 Member of:
 Expert committee on Prevalence of TB in India
 ICMR Committee on Polio Eradication
 National Working Group on Influenza

b) International : Member of British Council of Scholars (Western Branch)

c) Editorial Boards:

Indian Journal of Tuberculosis.
 National Editorial Advisory Board of Medical Journal of Armed Forces
 India.
 Patron: Journal of MGIMS,Sevagram

Dr Vijayashri Deotale

a) National :

Member of the group working on Laboratory Management
 Member of Hospital Infection Society
 Member of Parasitology & Tropical Infection

c) Editorial Boards and Reviewers :

SEVAMED, MGIMS Sevagram
 ICMR Project Reviewer

Dr Rahul Narang :

a) National : Member

Subject Expert Committee on Vaccine, Food and Drug Administration,
Govt. of India
Expert Committee on Essential Drug List 2015

Dr Dipak Thamke

a) National :

Member of Subject Expert Committee on Vaccine, Food and Drug
Administration, Govt. of India

ANNEXURE - IV A CONFERENCES ATTENDED

Name of Staff	Workshop	Place	Period
Chaudhuri Surya Jyati Palange Padmavali	NAMS-ICMR-IGMC – 2011 Indian Association of Medical Microbiologists North West chapter, National Conference on “Tuberculosis – A Global Challenge	Kufri, Shimla (HP)	11 – 12 Jun 2011
Narang P, Mendiratta D K, Deotale Vijayshri, Maraskolhe D, Bobade O, Buchunde S, Chattopadhyay P, Kumar R, Goswami B, Bhunia S, Wankhade S, Lakhmawar S	XVII Maharashtra Chapter Conference of IAMM – 2011, 23 – 24 Sep.2011	Dept. of Microbiology, Bharati Vidyapeeth, Deemed University, Medical College, Pune	23 – 24 Sep.2011
Wankhade S	5 th National conference of the Indian Academy of Tropical Parasitology – IATP (TROPACON – 2011),	Dept. of Microbiology, GMC, Nagpur	11-13 Nov.2011

Narang P, Deotale Vijayashri, Thamke Dipak, Ambade Vijay, Thate Ranjana, Chaudhuri Surya Jyati, Palange Padmavali	XXXV National Conference of Indian Association of Medical Microbiologists – 2011,	Banaras Hindu University, Varanasi	23-26 Nov.2011
P. Narang D K Mendiratta , Ruchita Attal, Reema Ghodamare Somnath Bhunia, Prasanta Das Shantanu Das	XVIII Maharashtra Conference IAMM- (Mahamicrocon-2012)	Department of Microbiology TNMC & BYL Nair Ch Hospital Mumbai	7-8 Sep 2012
Padmavali Palange, Surya Jyati Chaudhari	VI th National TROPICON- 2012 Conference of the Indian Academy of Tropical Parasitology	Sri Aurobindo Institute of Medical Sciences & P.G.Institute , Indore	13 th & 14 th Oct 2012
D K Mendiratta , V S Deotale Deepashri Maraskolhe S. Wankhade Ratnesh Kumar	XXXVI National Conference of IAMM (Microcon -2012)	Lady Hardinge Medical College , New Delhi	22-25 Nov 2012
Bidhan Goswami, Mr Pranava Mishra	67 th National Conference on Tuberculosis and chest diseases (NATCON 2012)	Mahaveer Cancer Institute, Patna, Bihar	8 – 10 Feb.2013.
Narang P, Mendiratta D Deotale Vijayashri, Thamke Dipak, Maraskolhe Deepashri, Bankar Nandkishor, Wankhade Sandeep	XIX Maharashtra Chapter Conference of the Indian Association of Medical Microbiologists	Dept. of Microbiology, AFMC, Pune	5–6 Oct. 2013.

Narang P, Mendiratta D Attal Ruchita, Bhunia Somnath, Goswami Bidhan Lakhmawar Sanjeevan, Das Prasantha K	Micocon-2013, XXXVII National Conference of Indian Association of Medical Microbiologists	HICC,Hyderabad	21 – 24 Nov 2013
Das Santanu	NATCON 2013, 68 th National conference on Tuberculosis and Chest Diseases,National Institute of Tuberculosis and Respiratory Diseases	New Delhi	23 - 26 Feb.2014
Narang P, Mendiratta DDeotale Vijayshri, Thamke D C., Maraskolhe Deepashri, Bankar Nandkishor., Rathod Nitin, Shelke Yogendra	38 th MICROCON 2014 – Annual Conference of IAMM , SMS Medical College	Jaipur	15 – 19 Oct,2014
Attal Ruchita, Debnath Sreemanti, Meshram Supriya	XX Maharashtra Chapter conference of IAMM	The Nagpur Ashok Hotel, Nagpur	20-21 Sep.2014.
Narang P, Narang R, Maraskolhe D, Rathod N, Reang S, Roy S.	XXI Maharashtra Chapter Conference of Indian Association of Medical Microbiologists	, LTM Medical College, Sion, Mumbai	9 – 10 Oct.2015.
Narang P, Narang R, Shendre P, Dev H.	XXXIX National Conference of Indian association of Medical Microbiologists	JIPMER,Pondichery	25-29 Nov 2105
Narang R	1 st Annual Conference of Society for Research on Listeria & National	Nagpur Veterinary College, MAFSU,Nagpur	19-20 Oct 2015.

	Association for welfare of Animals & Research,		
Thamke D.	11 th National conference of Society of Indian Human & Animal Mycologists	Dept.of Microbiology, IGMC, Shimla,.	18-20 Mar.2016
Shelke Y, Reang S, Dev H, Meshram S	, Annual Conference in Vidarbha Association of Medical Microbiologists	Olive Resorts, Karmazari, Pench	19-20 Mar 2016.

ANNEXURE IV: CMES ATTENDED

Name	Title	Place	Period
Buchunde S Chattopadhyay P Kumar R Goswami B Bhunia S Wankhade S Lakhmawar S	CME on Virology- Yesterday, today & tomorrow	Dept. of Microbiology, Bharati Vidyapeeth, Deemed University, Medical College, Pune	22 Sep.2011
Lakhmawar S Wankhade S	Antimicrobial susceptibility Testing – Are we on the right track?	Lokmanya Tilak Municipal Medical College & Central Hospital, Sion, Mumbai	26 Aug.2011.
Thamke D.C. Attal Ruchita Ghodmare R, Somanath B Das Prasanta K Das S Bankar N	Sexually Transmitted and Reproductive Tract Infections ; Diagnostic Challenges in an Era of change	Dept of Microbiology TNMC & BYL Nair Ch Hospital Mumbai	6 Sep 2012
Narang P, Mendiratta D K, Deotale V Narang RI Thamke D Maraskolhe D, Attal R, Bhunia S	CME on Tuberculosis under RNTCP	Organized by Dept.of Microbiology, MGIMS, Sevagram	18 Dec. 2013.

Wankhade S Goswami B Lakhmawar S Bankar N Das Prasanta K Das Santanu			
Mendiratta D K, Narang R, Bhunia S Wankhade S Goswami B	CME on Molecular and Immunodiagnostics for PTB & EPTB, JB Tropical Disease Research	Centre & Dept.of Biochemistry, MGIMS, Sevagram,	27-28 Jan.2014
Narang P, Shelke Y Rathod N, Shendre P Debnath S, Meshram S Dev H, Roy S, Reang S	CME on influenza	jointly organized by influenza Foundation of India in collaboration with Vidarbha association of Medical Microbiologists, Nagpur	24 Jul, 2015
Narang, P Narang R Mishra P Lambe A	Participated as the Resource Department for the CME “An update on Tuberculosis and Non tuberculous Mycobacteria with demonstration of Paraffin Slide Culture technique to diagnose NTM”	Organised by Dept. of Microbiology, SMS College Jaipur	21 st Sep. 2015

ANNEXURE – IV C : WORKSHOPS ATTENDED

Name of Staff	Workshop	Place	Period
Deotale V	Workshop for sensitization of Nodal Microbiologists from State Referral laboratories on the role of laboratory in IHR implementation in the country monitoring functionality of referral lab. network under IDSP.	Central Seminar Hall, NCDC, Delhi.	8 th – 9 th Dec. 2011
Narang R	Regional Training Programme of	MGIMS,	19 – 23

	Training of Trainers on Vector Borne diseases,	Sevagram NIHFW, New Delhi	Sep.2011.
Wankhade S	14 th Workshop on Biomedical Informatics	Bioinformatic Centre,JBTD RC & Biochemistry, MGIMS, Sevagram	5-6 Dec.2011.
Tiwari S	ASIP Microbiology Workshop II	BMPLIII, CMC, Vellore	13 – 14 Feb.2012.
Attal R, Purohit M Palange Pi	Symposium on National ensemble on Rabies and other viral encephalitis (NERVE-2011)	Haffkine Institute, Mumbai	26 – 28 Sep.2011
Mendiratta D.K.	MCQ validation	NBE New Delhi ,	3 rd & 4 th Sept 2012; 13 th & 14 th Sept 2012 ; 11 th & 12 th Dec 2012
Deotale V.S.	MCQ workshop	MGIMS, Sevagram	8-9 th March, 2013,
.Thamke D.C	MCQ workshop	MGIMS, Sevagram	from 8-9 th March, 2013
Deepashri M	Workshop for Mentors	MGIMS, Sevagram	7 th March 2013
Attal R	Workshop on Basic Medical Technology	MGIMS, Sevagram	28 th - 30 th Aug , 2012
Attal R Sandeep W	Workshop on “ISO methods for isolation and detection of <i>Listeria monocytogens</i> ”	Nagpur Veterinary College, MAFSU, Nagpur	4 th -5 th Mar 2013
Bhunias S	Workshop on Immunological and Molecular techniques as applied for infectious disease	Dept of Biochemistry, MGIMS , Sevagram	28 to 2 Jul. 2013

Mendiratta D K	Zonal Task Force Workshop of RNTCP	Goa,	22 – 23 Aug.2013
Mendiratta D K	MCQ Validation Workshop	NBE, New Delhi	26-27 Sep.2013, 4 th Jan.2014
Maraskolhe D, Wankhade S, Bankar N , Das S	Workshop on Virology, XIX Maharashtra Chapter Conference of the Indian Association of Medical Microbiologists	Dept. of Microbiology, AFMC, Pune,	4 Oct.2013.
Bidhan G, Bhunias S, Lakhmawar S Das P	A Tour of Molecular techniques :MICROCON 2013 -XXXVII National Conference of Indian Association of Medical Microbiologist	HICC, Hyderabad	21st Nov,2013
Das S Bankar N	XII National workshop on Diagnostic methods in Clinical Microbiology	JIPMER, Pondichery	6 th to 9 th Nov, 2013
Das S	Newer Diagnostic Methods for Detection of MDRTB under RNTCP, 68 th National conference on Tuberculosis and Chest Diseases,National Institute of Tuberculosis and Respiratory Diseases	New Delhi	23 Feb. 2014.
Narang P, Narang Rl	Workshop on "Evaluation of new TB diagnostics	conducted by McGill University, FIND and NIRT at NIRT, Chennai	8-12 Dec. 2014
Maraskolhe D	20 th Workshop on Molecular techniques as applied for Infectious Disease Research	Dept.of Biochemistry JBTDRC, MGIMS	2 – 7 Feb.2015
Narang R	Attended the meeting in the State Task Force (Maharashtra) Workshop cum meeting organized by State TB Cell,Govt.of Maharashtra organized by State TB Cell, Govt. of Maharashtra.	Indira Gandhi Govt. Medical College,, Nagpur & District TB Office, Nagpur	20 June 2015
Narang R	Workshop on “capacity Building for Planning and conducting systematic	Cochrane South Asia,	24-26 Aug.2015

	reviews and Meta – Analysis”	CMC,Vellore	
Deotale V	FAIMER	PSG,Coimbtore	2014
Narang R	Advanced Course in Medical Education (FIME)	JNMC Sawangi	2015

ANNEXURE IV D: MEU WORKSHOPS ATTENDED

Name	Title	Place	Period
Maraskolhe D	6 th Workshop on Basic Course in Medical Education technology	JNMC, Sawangi, Meghe, Wardha	4-6 Jul 2011
Attal R	Workshop on Basic MET	MGIMS, Sevagram	28-30 Aug.2012
Narang R	Basic Course Workshop in Medical Education	JNMC Sawangi (Meghe)	24-26 Jul 2014
Deotale V	Basic MET Workshop (MCI Recognized)	JNMC Sawangi (Meghe)	20-22 Jan.2015

ANNEXURE IV E: RESEARCH METHODOLOGY WORKSHOPS

Name	Title	Place	Period
Wankhade S Bhunia S, Lakhmawar S	Workshop on Research Methodology for Post-graduate Students of MGIMS, Sevagram organized by Clinical epidemiological Unit & Medical Education technology Unit	MGIMS, Sevagram	3 – 10 Oct. 2011
Goswami B	Workshop on Research Methodology for Post-graduate Students MGIMS, Sevagram organized by Clinical epidemiological Unit &	MGIMS, Sevagram	16 –22 Nov.2011

	Medical Education technology Unit		
Deotale V.S.	Workshop on research Methodology,	MGIMS, Sevagram	7-11 Jan , 2013
Thamke D.C.	Workshop on research Methodology,	MGIMS, Sevagram	18 -22 Feb , 2013
Das P Das S	Workshop on Research Methodology	MGIMS, Sevagram	6 -12 Aug,2012
Nandkishor B, Mathe Rupesh	Workshop on Research Methodology	MGIMS, Sevagram	17 -24 Sep 2012
Rahul N	Research Methodology Workshop	MGIMS Sevagram	10-14 Nov. 2014.
Shendre P, Mesham S, Shelke Y	Research Methodology Workshop	MGIMS Sevagram,	4 -9 Aug. 2014.
Debnath S, Rathod N	Research Methodology Workshop,	MGIMS Sevagram,	25-30 Aug.2014

ANNEXURE V: AWARDS & FELLOWSHIPS

Dr (Mrs) P Narang :

National Level

- Indian Association of Medical Microbiology in recognition of her contribution to this subject of Microbiology has awarded The Endowment Oration Award for the year 2010.
- Dr.Wakar's Life Time Achievement Award – Indian Medical Association, Nagpur, 10th Annual Conference of IMA-13th October,2012
- Honoured by National Congress Party on their Foundation Day as Vashisht and Jayesth Nagrik.
- President of Indian Association of Medical Microbiology for the year 2014

State Level

- Prof.(Dr.)Bikram Das Oration Award by the Odisha Chapter of Indian Association of Medical Microbiologists at the 7th Annual Chapter Conference

held at Indian Institute of Medical Sciences and SUM hospital, Bhubaneswar on 29.09.2013.

Vidarbha Level:

- Dr M T Paithankar Oration Award 2013-14 at Vidarbha Association of Pathologists & Microbiologists meet, Nagpur 12 Jan.2014.
- **IAMM Presidential Oration Award**
38th MICROCON 2014 – Annual Conference of IAMM , SMS Medical College, Jaipur, 15-19 Oct.2014

Dr.Vijayshri Deotale :

- PSG FAIMER Fellowship : PSG FAIMER Regional Institute, Coimbatore, April 2013 through June 2015.

Dr.Rahul Narang :

- Fellowship in Medical Education (FIME) from 8th -10th August,2015, Jawaharlal Nehru Medical College, Sawangi (Meghe), Wardha

Dr Deepashri Maraskolhe :

- Second Prize for Oral Presentation : Neutral red staining and Trypsin treatment to Study viability and culture yield of Dermatophytes, XIX Maharashtra Chapter Conference of the Indian Association of Medical Microbiologists Dept.of Microbiology,AFMC,Pune, 5th to 6th Oct.2013.

Dr Santanu Das :

- Second Prize for poster “Evaluation of newer in situ cold staining methods against conventional Ziehl-Neelsen for the detection pf acid-fast bacilli in sputum” XIX Maharashtra Chapter Conference of the Indian Association of Medical Microbiologists, Dept. of Microbiology,AFMC,Pune, 5th to 6th Oct.2013.

Dr Nandkishor Bankar

- First prize in the quiz conducted during the 12th National Workshop on Diagnostic methods in clinical Microbiology held in the Dept.of Microbiology, JIPMER, Pondichery from 6th to 9th Nov.2013.

Yash Paliwal , Aditi Kashikar

- First runner-up – 2012((2nd MBBS Students) Vidarbha level Micro – Quiz at GMC, Nagpur

Ms.Aditi Sood & Ms.Poshika Agrawal (2nd MBBS Students)

- Second Prize Vidarbha Association of Medical Microbiologists UG Quiz, JNMC,Sawangi, Meghe, 24th Aug.2013

Ms.Stuti Choudhari & Ms.Vinita Tripathi (MBBS students)

- 2nd Prize at Vidarbha Level undergraduate Quiz competition NKP Salve Institute of Medical Sciences & Lata Mangeshkar Hospital, Nagpur ,8th August,2014,

Dr Supriya Meshram

- 1st Prize for Oral Presentation: Multidrug resistant tuberculosis with its mutational pattern among new pulmonary cases detected from Central India. Annual Conference of Vidarbha Association of Medical Microbiologists , Olive Resorts,Karmazari, Pench, 19-20 Mar 2016.

Mr.Prathamesh Pathrikar (II MBBS Student): (Guide : Dr.Vijayshri Deotale) :

- 1st Prize : Dr.Sushila Nayar Award for the best undergraduate research paper for the year 2016

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

Sr.No.	Details of Workshop	Date	Funding Agency
1	Training Workshop on Bio Medical Waste Management No. of Participants : 40	18 July,2011	Taral Agencies, Pune (Mr. Shitul Chanchani)
2	CME on Tuberculosis under RNTCP No. of Participants : 40	18 Dec.2013	RNTCP
3	Symposium : World TB Day Reach the three million : A TB test,treatment and cure for all. No. of Participants : 40	24 Mar 2014	RNTCP
4	Training Course On Sample Collection & Pre-analytical Best Practices -Labs for Life Project (Supported by MoHFW/CDC/CMAI) No. of Participants : 40	14- 15 Sep.2015	Labs.for Life

5	Training of Fire Safety. Labs for Life Project (Supported by MoHFW /CDC/ CMAI) No. of Participants : 40	Nov 2015	Labs.for Life
6	CME on Infection Prevention & Control	30/3/2016	Labs.for Life
7	An Influenza update on 16 th April, 2016	16 Apr, 2016	Academy at Medical Sciences (AMS), Sevagram, Indian Medical Association (IMA), Wardha and Influenza Foundation of India (IFI)
8	Phlebotomy workshop	Feb 2016	Labs.for Life
9	Fire Safety Workshop	Apr 2016	Labs.for Life
10	Hospital infection control training workshop for nurses and attendants	Aug 2016	Labs.for Life
11	Quality Control training	Sep 2016	Labs.for Life

**DR.PRJ GANGADHARAM ENDOWMENT ORATION AWARD
ORGANIZED**

Funding agency : Mrs.Shakuntala Gangadharam USA in memory of her husband Dr.PRJ Gangadharam Endowment Oration Award :

10th & 11th Dr.PRJ Gangadharam Oration Award(2010-11)

Chair person : Dr.P.Narang
Organizing Secretary : Dr.D.K.Mendiratta
Date : 24th December, 2011
Speaker - 1 : i) Dr. P R Narayanan, Ex Director,Tuberculosis Research Centre, Chetput, Chennai
Topic : MDR TB : Challenges and Opportunities.

Speaker - II : ii) Dr . V M Katoch, Secretary to Govt. of India,(Deptt. Of Health Research), Ministry of Health & Family Welfare, Director General, ICMR, New Delhi
Topic : Tuberculosis research : Indian prospective

13th Dr.PRJ Gangadharam Oration Award(2012-13)

Chair person : Dr.P.Narang
Organizing Secretary : Dr.D.K.Mendiratta
Date : 15th Feb , 2013

Speaker - 1 : Dr. Prahlad Kumar, Director, National
Tuberculosis Research Institute , Bangalore
Topic : Challenges in the management of MDR TB in
India

14th Dr.PRJ Gangadharam Oration Award(2012-13)

Chair person : Dr.P.Narang
Organizing Secretary : Dr.D.K.Mendiratta
Date : 13th Sep , 2013
No.of delegates : 50
Key person : Dr. V K Chadha, Sr.Epidemiologist, National
Tuberculosis Research Institute, Bangalore
Key topic : My journey with epidemiology of TB

15th Dr.PRJ Gangadharam Oration Award (2014)

Chair person : Dr.P.Narang
Organizing Secretary : Dr.Vijayshri Deotale
Date : 27th Feb. 2015
No.of delegates : 50
Key person : Dr. N Selvakumar, Scientist 'G' (Retd.),
National Tuberculosis Research Institute , Bangalore
Key topic : A Journey through laboratory
investigations in tuberculosis in three decades

ANNEXURE VII: PRESENTATIONS

Narang P

Presidential Oration : Time to recognize NTM,
38th MICROCON 2014 – Annual Conference of IAMM, SMS Medical College,
Jaipur, 15- 19 Oct.2014
,

Oral Presentation : NTM as emerging in Indian Scenario
CME “An update on Tuberculosis and Non tuberculous Mycobacteria with
demonstration of Paraffin Slide Culture technique to diagnose NTM, Dept. of
Microbiology, SMS College , Jaipur , 20-21 Sep 2015

Deotale V

Oxacillin Vs.Cefotaxime in detecting MRSA from cases of Neonatal septicemia
(Poster)

Maharashtra Chapter Conference of IAMM – 2011, Dept. of Microbiology, Bharati Vidyapeeth, Deemed University, Medical College, Pune from 23 – 24 Sep.2011.

Comparison of staining methods : Phenol Ammonium Sulphate Basic Fuchsin staining of sputum in POT with Ziehl Nelson for detection of Acid Fast Bacilli (Poster)

XXXV National Conference of Indian Association of Medical Microbiologists – 2011, Banaras Hindu University, Varanasi 23-26 Nov.2011.

Collection of samples – The Internship Orientation Programme for 2012 Interns on 10 Mar. 2012.

Clinico-Epidemiological characterization of Extended spectrum betalactamases (ESBL) producing *E.coli*, *Klebsiella* and *Enterobacter spp.* Causing nosocomial and community infection in a tertiary care hospital

XXXVI National Conference Of IAMM (Maha-Microcon -2012)
Lady Hardinge Medical College, New Delhi, 22-25 Nov 2012

Correlation of CD4 count with bacterial profile of stool in HIV/AIDS patients with or without diarrhea

XIX Maharashtra Chapter Conference of the Indian Association of Medical Microbiologists, Dept. of Microbiology, AFMC, Pune, 5th – 6th Oct.2013

Poster presentation : Detection of Multidrug resistant in *Vibrio cholera* O1 ElTor isolated from stool in a tertiary care hospital of Central India

38th MICROCON 2014 – Annual Conference of IAMM, SMS Medical College, Jaipur, 15-19 Oct.2014

Narang R

Oral Presentation : Paraffin Slide Culture as a useful tool in a diagnosis of NTM.

CME “An update on Tuberculosis and Non tuberculous Mycobacteria with demonstration of Paraffin Slide Culture technique to diagnose NTM, Dept. of Microbiology, SMS College, Jaipur, 21 Sep 2015.

Paper Presentation : in the National Symposium on “Concepts in Zoonoses & Health in New Millenium”,

1st Annual Conference of Society for Research on Listeria & National Association for welfare of Animals & Research, Nagpur Veterinary College, MAFSU, Nagpur 19-20 Oct.2015.

Thamke D.

Overview of Bio Medical Waste Management

Academy of Medical Sciences, MGIMS, Sevagram 20 Jul 2011.

Utility of chromogenic candida differential agar to speciate candida isolates (Poster)
XXXV National conference of Indian Association of Medical Microbiologists –
2011, Banaras Hindu University, Varanasi 23-26 Nov.2011.

Virulence Markers & anti fungal susceptibility profiles of Candida isolated from
blood in Sevagram (Poster)

9th National Conference of Society of Indian Human & Animal Mycologists
(SIHAM), organized by Dept. of Microbiology, MGM Medical College,
Kishanganj & North Bengal Medical College, Siliguri, 10 – 12 Feb.2012.

Paper Presentation : Mycotic Keratitis due to Colletotrichum gloeosporides : First
Case report from Vidarbha.

11th National conference of Society of Indian Human & animal Mycologists,
Dept.of Microbiology, IGMC, Shimla, 18-20 Mar.2016.

Maraskolhe D

Different aspects of Bio medical Waste Management

Academy of Medical Sciences, MGIMS, Sevagram 20 Jul 2011.

Correlation of clinical profile parameters in suspected dengue cases with ICT
positivity

XXXVI National Conference Of IAMM (Maha-Microcon -2012)

Lady Hardinge Medical College, New Delhi dt – 22-25 Nov 2012

To study the effect of Trypsin treatment of skin scrapping on culture yield of
dermatophytes on SDA

XIX Maharashtra Chapter Conference of the Indian Association of Medical
Microbiologists, Dept. of Microbiology, AFMC, Pune, 5-6th Oct.2013

Poster Presentation : Evaluation of animal sera for germ tube formation in
Candida albicans along with effect of CO₂

38th MICROCON 2014 – Annual Conference of IAMM, SMS Medical College
Jaipur, 15–19 Oct.2014

Attal R

Pandrug resistant Gram negative rods among hospitalized patients in a tertiary
care Hospital in central India

XVIII Maharashtra Conference IAMM- (Mahamicrocon-2012)
Department of Microbiology TNMC & BYL Nair Ch Hospital Mumbai 7th & 8th
Sep 2012

Correlation between biofilm formation and highly drug resistant uropathogen.
XXXVII National Conference of Indian Association of Medical
Microbiologists,HICC,Hyderabad,21 – 24 Nov.2013

Oral presentation : A Clinicomycological study of Onycomycosis in a rural
hospital in Central India.
XX Maharashtra Chapter Conference of IAMM, Hotel Ashoka,Nagpur, 20 – 21
Sep.2014

Oral presentation : Tinea captis among primary school children : A
Clinicomycological study in a rural hospital in Central India.
XXXIX National Conference of Indian association of Medical Microbiologists
JIPMER,Pondicherry, 27-29 Nov.2105.

Buchunde S, Mendiratta DK, Deotale VS, Narang P

Phenotypic detection of Metallo- -lactamase and identification of *bla* IMP and
bla VIM encoding genes in *P.aeruginosa* isolated from a tertiary care hospital
(Oral)

XVII Maharashtra Chapter Conference of IAMM – 2011, Dept. of Microbiology,
Bharati Vidyapeeth, Deemed University, Medical College, Pune from 23 – 24
Sep.2011

Chattopadhyay P, Narang P, Raut U, Mendiratta D K, Narang R., Mishra P.

Evaluation of Direct MTT colorimetric method for detection of rifampicin
resistance in *M. tuberculosis* using AFB positive sputum samples . (Oral – 1st
Prize)

XVII Maharashtra Chapter Conference of IAMM - 2011 Dept. of Microbiology,
Bharati Vidyapeeth,Deemed University, Medical College, Pune 23 – 24 Sep.2011

Mishra P , Narang P, Mendiratta D K, Narang R

Comparison of Lowenstein Jenson Medium versus paraffin slide culture in
isolation of non tuberculous Mycobacteria from environmental samples. (Oral)
NATCON – 2011, Dehradun, 18-21 Nov.2011.

Ambade V, Thamke D C, Mendiratta D K

Detection of virulence markers in candida albicans (Oral)

XXXV National conference of Indian Association of Medical Microbiologists – 2011, Banaras Hindu University, Varanasi 23-26 Nov.2011.

Ambade V, Thamke D C, Mendiratta D K

Detection of virulence markers in *Candida albicans* and non *albicans candida*.
9th National Conference of Society of Indian Human & Animal Mycologists (SIHAM), organized by Dept. of Microbiology, MGM Medical College, Kishanganj & North Bengal Medical College, Siliguri, West Bengal, 10 – 12 Feb.2012.

Palange P, Narang R, Mendiratta D K, Narang P

Use of blood agar for isolation of *Mycobacteria* from pulmonary & extra pulmonary samples(Oral)

XXXV National conference of Indian Association of Medical Microbiologists – 2011, Banaras Hindu University, Varanasi 23-26 Nov.2011.

Chaudhuri S J, Thamke D, Mendiratta D K , Narang P.

Utility of SAAS for susceptibility testing of *Candida albicans* using microdilution as gold standard (Poster).

9th National Conference of Society of Indian Human & Animal Mycologists (SIHAM) organized by Dept. of Microbiology, MGM Medical College, Kishanganj & North Bengal Medical College, Siliguri, West Bengal, 10 – 12 Feb.2012.

Ghodamare R, Narang R, Mendiratta D K, Narang P.

Evaluation of Nitrate reductase assay for drug susceptibility testing of *Mycobacterium tuberculosis* against five line antituberculosis drugs

XVIII Maharashtra Conference IAMM- (Mahamicrocon-2012), Department of Microbiology TNMC & BYL Nair Ch Hospital Mumbai 7 - 8 Sep 2012

Kumar R, Deotale V S, Jain J, Mendiratta D K, Narang P

Comparison of various methods in reference to culture in the diagnosis of *Helicobacter pylori* infection among dyspeptic patients.

XXXVI National Conference Of IAMM (Maha-Microcon -2012), Lady Hardinge Medical College , New Delhi dt – 22-25 Nov 2012

Wankhade S, Deotale V S, Mendiratta D K, Thamke D C, Narang P

Detection of variants of *Vibrio cholera* O1 El Tor isolated from stool in a rural hospital of Central India .

XXXVI National Conference Of IAMM (Maha-Microcon -2012), Lady Hardinge Medical College , New Delhi, 22-25 Nov 2012

Bhunias S , Mendiratta D K,Jain M.A, Deotale V S, Narang P

Early detection of Neonatal sepsis by Septic screen & PCR using blood culture on gold standard .

XVIII Maharashtra Conference IAMM- (Mahamicrocon-2012),Department of Microbiology TNMC & BYL Nair Ch Hospital Mumbai 7th & 8th Sep 2012 .

Goswami B, Mishra P, Narang P, Mendiratta D K

Speciation and Drug Susceptibility of Non *Tuberculous Mycobacteria* isolates from symptomatics for pulmonary tuberculosis.

67th National Conference on Tuberculosis and Chest diseases (NATCON 2012) Patna, Bihar. 8 – 10th Feb,2013.

Mishra P., Narang P, Mendiratta DK.

Bacteriological Prevalence of Pulmonary Tuberculosis by Symptoms & MMR Screening in district Wardha, Maharashtra. 67th National Conference on Tuberculosis and Chest diseases

(NATCON 2012) Patna, Bihar.8 – 10th Feb,2013

Wankhade S, Deotale V, Mendiratta D K , Narang P

Detection of *ctxB^c* gene in *Vibrio cholerae* O1 ElTor using MAMA PCR, XIX Maharashtra Chapter Conference of the Indian Association of Medical Microbiologists, Dept.of Microbiology, AFMC, Pune,5-6 Oct.2013

Bhunias S, Mendiratta D K, Deotale V, Attal R, Narang P

Rapid confirmation of bacterial infection of sterile sites using PCR
Microcon-2013,XXXVII National Conference of Indian Association of Medical Microbiologists, HICC, Hyderabad,21 – 24 Nov,2013

Lakhmawar S, Thamke D C , Jain S, Mendiratta D K

Evaluation of EZY-MIC (Fluconazole & Amphotericin B) & Hicomb (Ketoconazole) antifungal for susceptibility testing of *Trichophyton rubrum*.

XXXVII National Conference of Indian Association of Medical Microbiologists,HICC, Hyderabad,21 – 24 Nov.2013

Bankar N , Deotale V, MendirattaD K, Narang P

Detection of biofilm production in Coagulase negative *Staphylococcus* isolated from sterile clinical samples.

XIX Maharashtra Chapter Conference of the Indian Association of Medical Microbiologists, Dept.of Microbiology, AFMC, Pune,5-6 Oct.2013

Das P K, Mendiratta DK , Manoharan A, Narang P

Detection & Characterization of Amp.C lactamase in *Escherichia coli* and *Klebsiella pneumonia* isolated from sterile sites by disc methods and multiplex PCR

Microcon-2013, XXXVII National Conference of Indian Association of Medical Microbiologists, HICC, Hyderabad, 21st – 24 Nov 2013

Das S, Narang P, Mendiratta D K, Deotale V, Mishra P

Evaluation of newer in situ cold staining methods against conventional Ziehl-Neelsen for the detection of acid-fast bacilli in sputum

XIX Maharashtra Chapter Conference of the Indian Association of Medical Microbiologists, Maha Microcon-2013, AFMC, Pune, 5-6th Oct. 2013

Das S, Narang P, Mishra P, Mendiratta D K, Deotale V, Selvakumar N

Modification of 1% phenol ammonium sulphate POT staining by 1% phenol for detection of AFB in sputum and its evaluation.

68th National conference on Tuberculosis and Chest Diseases, National Institute of Tuberculosis and Respiratory Diseases, New Delhi, 23 -26 Feb. 2014.

Bankar N, Deotale V, Mendiratta D K, Narang, P

Poster Presentation : Detection of Biofilm in Coagulase negative Staphylococcus from sterile clinical samples : Phenotypic and Genotypic methods

38th MICROCON 2014 – Annual Conference of IAMM , SMS Medical College Jaipur, 15 – 19 Oct, 2014

Shendre P

Oral Presentation : Preventive Measures of Dengue

MET Unit : All Vidarbha Inter Medical College Power Point Presentation Competition.

NKP Salve Institute of Medical Sciences & Research Centre & Lata Mangeshkar Hospital, Nagpur, 24 Mar 2015.

Oral Presentation : Prevention and management strategies of Neonatal sepsis.

Presentation in the IAMM students, symposium on “Neonatal Sepsis”

XXXIX National Conference of Indian association of Medical Microbiologists, JIPMER, Pondichery, 27-29 Nov. 2015

Meshram S

Multidrug resistant tuberculosis with its mutational pattern among new pulmonary cases detected from Central India. :

Annual Conference of Vidarbha Association of Medical Microbiologists , Olive Resorts, Karmazari, Pench, 19-20 Mar 2016.

ANNEXURE VIII: MD THESES LIST

Sr. No.	Name of PG	Name of Guide	Thesis topic	Year
1	Dr Sarika Jajulwar	Dr Vijayashri Deotale	Detection of Oxacillin resistance in <i>Staphylococcus aureus</i> by using various phenotypic and genotypic methods	2011
2	Dr Shubhangi Buchunde	Dr D K Mendiratta	Detection of Metallo-beta – lactamase producing <i>P.aeruginosa</i> isolated from patients attending a rural hospital in Central India using phenotypic and genotypic methods	2011
3	Dr Pinaki Chattopadhyay	Dr(Mrs)P Narang	Evaluation of Direct MTT colorimetric method for AFB positive sputum in order to detect rifampicin resistant <i>Mycobacterium tuberculosis</i>	2012
4	Dr Manish Purohit	Dr D K Mendiratta	Prevalence of Metallo - - lactamases in clinical isolates of <i>Acinetobacter baumannii</i> from a tertiary care rural hospital from central India	2013
5	Dr Ranjana Thate	Dr Vijayashri Deotale	A study on bacterial (aerobic), fungal and parasitic etiology of diarrhoea and their correlation with CD4 count in HIV seropositive patients attending rural hospital in Central India.	2013
6	Dr Vijay Ambade	Dr Dipak Thamke	Characterisation of <i>Candida</i> isolated from patients attending a rural hospital with reference to speciation, virulence markers and antifungal activity.	2013
7	Dr Reema Ghodmare	Dr Rahul Narang	Evaluation of Nitrate Reductase Assay for drug susceptibility testing of <i>Mycobacterium tuberculosis</i> against first line anti tuberculosis drugs in a tertiary care hospital in central India	2013
8	Dr Padmavali Palange	Dr Rahul Narang	:Use of Blood agar for isolation of <i>Mycobacteria</i> from Pulmonary and Extra pulmonary samples and its comparison with LJ medium.	2013

9	Dr Ratnesh Kumar	Dr Vijayashri Deotale	Laboratory diagnosis of Helicobacter pylori infection in endoscopic biopsy samples of dyspeptic patients.	2013
10	Dr Surya Jyati Chaudhuri	Dr Dipak Thamke	Comparison of various in vitro antifungal susceptibility testing methods in Candida isolated from clinical specimens.	2013
11	Dr Bidhan Goswami	Dr Mrs.P.Narang	Speciation and drug susceptibility of Non tuberculous Mycobacteria isolated from symptomatics for Pulmonary tuberculosis .	2014
12	Dr Somnath Bhunia	Dr D K Mendiratta	Utility of Clinical parameters, septic screen and PCR rapid diagnosis of bacterial neonatal sepsis in culture positive cases.	2014
13	Dr Sandeep Wankhade	Dr Vijayashri Deotale	Detection of variants of Vibrio cholerae O1 from acute diarrheal patients in a rural hospital of Central India.	2014
14	Dr Sanjeewan Lakhmawar	Dr Dipak Thamke	Clinicomycological study of Dermatophytosis in a tertiary care rural hospital of Central India	2015
15	Dr Santanu Das	Dr.Mrs.P.Narang	Evaluation of newer in situ cold staining methods against conventional Ziehl-Neelsen for the detection of acid-fast bacilli in sputum.	2015
16	Dr Prasanta kumar Das	Dr D K Mendiratta	Detection and characterization of Amp C lactamase in Escherichia coli and Klebsiella pneumonia isolated from sterile fluids of patients attending a tertiary care rural hospital by phenotypic and genotypic method.	2015
17	Dr Nandkishor Bankar	Dr Vijayashri Deotale	Comparison of methods in biofilm producing Coagulase negative Staphylococcus : Detection of ica gene by PCR and two classic phenotypic methods.	2015

ANNEXURE IXA: STUDENT SHORT TERM PROJECTS

Year	Name of Student	Guide	Topic
2012	Tushar Varshney	Dr Omprakash Bobade	The study of Intestinal parasite among the pre-school and school age children in rural tertiary care hospital – A hospital based study.
2012	Avinash Kumar	Dr Vijayashri Deotale	Prevalence of PAN resistant bacteria from surgical unit of tertiary care hospital
2013	Snehal Deotale	Dr Dipak Thamke	Pityriasis versicolor at Kasturba Hospital, Sevagram
2013	Bhakti R Patil	Dr Deepashri Maraskolhe	Comparison of trypsin treatment method and standard laboratory technique for diagnosis of dermatophytosis
2014	Harshal Tayade	Dr Dipak C Thamke	Study of biofilm formation among Candida albicans isolated from vagina using microtitre plate.
2014	Rasika Choudhary	Dr Ruchita Attal	Clinicomycological profile of onychomycosis in a rural hospital
2015	Mr.Prathamesh Pathrikar	Dr Vijayashri Deotale	Comparison of Universal sample processing (UPS) method and the N-acetyl-L-cysteine 9NALC) method for the diagnosis of tuberculosis
2015	Ms.Kehkoshan Siddiqui	Dr.Rahul Narang	Comparison of demographic and clinical feature in Japanese Encephalitis (JE) and non-JE cases of Acute Encephalitis syndrome among children in a rural hospital in Wardha district
2015	Mr.Akshay Yadav	Dr.Ruchita Attal	Tinea capitis among primary school children: A Clinicomycological study in a rural hospital in central India.
2016	Ms Anagha Potharkar	Dr Ruchita Attal	Microbiological profile of chronic sinusitis with special reference to fungal rhinosinusitis: a study in Central India

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY

1. Name of the Department: **Department of Forensic Medicine & Toxicology**
2. Year of establishment: 1969
3. Is the Department part of a college/Faculty of the university? –Yes, Part of MGIMS, Sevagram.
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.):
MBBS, MD Forensic Medicine & Toxicology.
5. Interdisciplinary programs & Departments involved:
Looks after medicolegal work of all the departments. Post graduate students of our department are posted in various departments such as Anatomy, Radiology etc. for limited period as per university guidelines.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: - Nil
7. Details of programs discontinued, if any, with reasons: - Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Annual
9. Participation of the department in the courses offered by other departments:
Post graduates from other departments like Anatomy get posted to our department for limited period as per university guidelines.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor/Reader	1	1	-
Assistant Professor	1	1	1
Lecturer	-	-	-
Tutor / Clinical Instructor	4	5	5
Senior resident	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.B.H.Tirpude	M.D., LL.B.PhD	Professor & Head	Forensic Medicine	23yrs 06 months
Dr. P. N. Murkey	M.D.,ND LL.B.	Professor	Forensic Medicine	17 yrs.
Dr. I. L. Khandekar	MD. LL.B.	Professor	Forensic Medicine	9 years
Dr.P.R.Zopate	MD	Assistant Professor	Forensic Medicine	8 years
Dr. Ambedkar Ranjan	MBBS	Tutor	Forensic Medicine	1 years 09 months
Dr. Deepak Bhagwat	MBBS	Tutor	Forensic Medicine	1 years 09 months
Dr. Sharjeel Khan	MBBS	Tutor	Forensic Medicine	09 months
Dr. Rahul Ramteke	MBBS	Tutor	Forensic Medicine	09 months
Dr. Kavita Chaphalkar	MBBS	Tutor	Forensic Medicine	03 months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty – program-wise information: No temporary Faculty present in MGIMS.
14. Program-wise Student Teacher Ratio: 11:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No	Post	Sanctioned	Filled	Name (s) of staff members
1.	Technical Assistant	1	1	Mr. G. N. Sarway
2.	Technicians	1	1	Mr. D. G. Pradhan
3.	Laboratory Attendants	2	1	Mr. V. Chappekar
4.	Mortuary Attendant	1	1	Mr. S. C. Lohakare
5.	Attendant	1	1	Mr. Dinesh Dhabarde

16. Research thrust areas as recognized by major funding agencies: Nil
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
18. Inter-institutional collaborative projects and associated grants received: Nil
c) National collaboration b) International collaboration
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil.
20. Research facility / Centre with:
 - State recognition- Nil
 - National recognition- Nil
 - International recognition: Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies: **Toxicology Laboratory, Clinical Forensic Medicine Unit.(CFMU)**
22. Publications:
 - * Number of papers published in peer reviewed journals (national / international): **28 (See Annexure IA)**
 - * Monographs
 - * Chapters in Books
 - * Books edited
 - * Books with ISBN with details of publishers
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact Factor – range / average
 - * h-index:

	h-index (all)	h-index (since 2011)	Citations (since 2011)
Dr. B. H. Tirpude	6	5	106
Dr. P. N. Murkey	3	3	30
Dr. I. L. Khandekar	2	2	16
Dr. P. R. Zopate	1	1	4

23. Details of patents and income generated: NA
24. Areas of consultancy and income generated: The Department provides expert

consultancy to the area under jurisdiction i.e. Police station Seloo & Police station Sevagram. Other than areas of jurisdiction, field visits, court procedures and crime spot visits are done. As the cases are MLC, charges and fees cannot be rendered as per Government rules.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other (specify):

Editorial Boards:

Dr.B.H.TIRPUDE

- Associate editor, International Journal of Medical Toxicology and Legal Medicine
- Editorial board, Journal of Medicolegal Association of Maharashtra,
- Editorial board, Al- Ameen Journal of Medical Sciences

Dr.P.N.MURKEY-

- Indian Journal of Forensic Medicine & Pathology
- Journal of South Indian Medicolegal Association
- Sevamed

National Committees

Dr. I. L Khandekar

- a) Member of “Expert Group on Gender and Health”, Department of Health Research & ICMR, Ministry of Health & Family Welfare; Government of India- New Delhi.
 - b) Appointed by Director, Public Health- Ministry of Health and Family Welfare as a member of the Committee to develop training module for training medical officers for Clinical Forensic medical work and postmortem work. (Letter of directorate office No 329 dated 20.03.2013)
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs):
Faculty has attended Research Methodology workshops, MET workshops, CME, Conference, Workshopetc.(See **Annexure IV**)
 28. Student projects
 - Percentage of students who have taken up in-house projects including inter-departmental projects: In house projects: 100% Post graduates (**Annexure IX**)

- Percentage of students doing projects in collaboration with other universities / industry / institute: Nil
29. Awards / recognitions received at the national and international level by:
- Faculty: Dr. Indrajit Khandekar received “CHOUTHATHA STAMBH” award of ShramikPatrakarSangh- Wardha on 06.01.2015 for his outstanding social contribution done by using the field of Forensic Medicine.
 - Doctoral / post-doctoral fellows: Nil
 - Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil
31. Code of ethics for research followed by the departments: Yes , through Institutional ethics committee approval

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES					
(I MBBS) 2015	12871	46%	54%	100 %	97.87%
(I MBBS) 2014	15555	48%	52%	82.6%	98.11%
(I MBBS) 2013	8119	53%	47%	93.54%	100%
(I MBBS) 2012	16003	52%	48%	93.94%	100%
(I MBBS) 2011	12518	51%	45%	93.94%	100%
Post Graduates					
2015	247	2	0	50%	-
2014	265	2	0	100%	-
2013	191	2	0	100%	-
2012	149	2	0	100%	-
2011	205	2	0	100%	-

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Undergraduates (MBBS)	selected through CET from all over the country.			
Postgraduates (MD Forensic)	8(73%)	1(10%)	2(17%)	NIL

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Medicine)				

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise: Nil

35. Student progression: Not applicable

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil,DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	3
from other universities within the State	1
from universities from other States	0
from universities outside the country	0

37. Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: **1 (Ph.D.) Dr. B. H. Tirpude.**

38. Present details of departmental infrastructural facilities with regard to

a) Library:**Separate departmental library with 380 books.**

b) Internet facilities for staff and students: Department has good connectivity of Wi-Fi and computers are being provided with this facility through HIS

c) Total number of class rooms 2(1 Lecture hall, 1 Demo)

d) Class rooms with ICT facility and 'smart' class rooms **01**

All lecture halls are Wi-Fi enabled and have LCD projection facility

e) Students' laboratories **01**

f) Research laboratories **01**

39. List of doctoral, post-doctoral students and Research Associates

- a) From the host institution/university:
1. Dr. Ambedkar Ranjan
 2. Dr. Deepak Bhagwat
 3. Dr. Sharjeel Khan
 4. Dr. Rahul Ramteke
 5. Dr. Kavita Chaphalkar
- b) From other institutions/universities
40. Number of post graduate students getting financial assistance from the university. Nil
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. :
- This exercise is undertaken at the level of MUHS. The staff members who are on Board of Studies represent our feedback to the universities.
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation?
Yes, Faculty feedback is taken in departmental meeting with Head of the department and present status of course is assessed.
 - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes, Student feedback is collected by IQAC.
 - Alumni and employers on the programs offered and how does the department utilize the feedback?
 - Gathered at institutional level
43. List the distinguished alumni of the department (maximum 10):
- Dr. Rajendra Bangal- Dean, Sinhgad Medical College, Pune.
 - Dr. Singhal- Prof & HOD Department of FMT, ACPM Medical College, Dhule
 - Dr. B. H. Tirpude- Prof & HOD Department of FMT, MGIMS, Sevagram.
 - Dr. I. L. Khandekar- Prof and Incharge CFMU, MGIMS, Sevagram.
 - Dr. A. J. Mujumdar- Assistant Prof. FMT, GMC Malda, West Bengal.
 - Dr. Harish Pathak- Prof and HOD FMT, KEM Mumbai.
 - Dr. Sima Sutey- Prof and HOD, Index Medical College, Indore.
 - Dr. Shankar Dakhankar – Prof and HOD FMT, Bharati Vidyapeeth Medical College Kolhapur.
 - Dr. Vishwajit Pawar- Associate Prof. FMT GMC, Ambajogai.
 - Dr. Sumit Shende- Associate Prof. FMT Chirayu Medical College, Bhopal.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Under the banner of Academy of Medical Sciences students present seminars on allotted topics. This activity is intended to nurture active learning and to develop communications skills of the students. They also attend field visits and learn about court procedures etc.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- i. **Peer teaching in post mortem examination hall**
 - ii. **Fortnight review of the teaching activity involving students.**
 - iii. **Group discussions on important topics**
 - iv. **Extra workbooks: a step towards modifying implementation curriculum.**
 - v. **Usual methods are seminars, case presentation, journal presentation.**
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored
- i. Evaluation of MBBS program is done through examination results in following exams: Part Completion Tests, Terminal Exam & Preliminary Exam and University exams
 - ii. Feedback is collected from the students and faculty
 - iii. Discussion at curriculum committee meeting and college council regarding the same is conducted.
 - iv. Guidelines from university are followed.
47. Highlight the participation of students and faculty in extension activities.
- **Village camps**
 - **ROME camp**
 - **Urban health centre**
48. Give details of “beyond syllabus scholarly activities” of the department.
- **Students take part in Vidarbha level Quiz competitions**
 - **Research project & publication outside MGIMS.**
 - **Research methodology workshop from all the faculty**
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. MUHS, MCI
Date of MBBS recognition by MCI: 1976
Date of MD recognition by MCI: 2002
Date of Ph.D. Recognition from MUHS: NIL
Date of last inspection of

MCI: 05-02-2016

MUHS: 02-03-2015

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The nation's first Clinical Forensic Medicine Unit (CFMU) was opened by the Department after taking into consideration the poor quality of medico-legal reports which act as a deceptive factor during judiciary trials. Medical schools, countrywide, shall soon develop Clinical Forensic Medicine Unit-(CFMU) based on the existing unit in the MGIMS. MGIMS developed Unique Clinical Forensic Medicine Unit (CFMU) & "Forensic Medical Software"

Started with a purpose to bring an efficient medico-legal system, this unit has been incorporated to work hand-in-hand with the Accident and Emergency centre. All medico-legal cases (MLC) will be handled under direct supervision of experts from the forensic department. Earlier, the handling of such cases was done by casualty medical officers or doctors from clinical department. There was no involvement of the experts from forensic medicine, due to which the results were highly inadequate.

It is important to add that the judiciary had passed strictures on the illegible handwriting of medicos on the medicolegal reports (MLR) as it was impossible to decipher them. To overcome this constraint, MGIMS has also developed unique forensic medical software that generates printed and organized reports. The software will have the complete data system of patients with specific features so that not even a minute detail is skipped. This can help prevent the unjust acquittal of accused and there will be no scope for any loopholes.

Apart from benefiting the judicial purpose, this CFMU development also proves to be a boon for students pursuing forensic medicine as they will get a hands-on experience rather than mere classroom teaching.

- The Forensic Medicine department has led the way in social activism. Over the last decade, the Department has re-designed the way Forensic medicine in the country is being taught and practiced. For instance, based on suggestions offered by unit, the Government of Maharashtra has developed new formats and a manual for forensic medical examination of sexually assaulted cases. In addition, the government also decided to computerize postmortem reports. Persons accused of sexual assault, have traditionally been asked several questions by the police that had no scientific, legal or rational basis. Similarly, they had their semen collected and preserved – a practice which lacked scientific evidence. The department has also been able to convince

Maharashtra Government to stop such three-decade-old practices. The unit has also drafted guidelines for the Department of Health Research (DHR) & ICMRs on Forensic Medical Care for Sexual Assault Victims.

- Of the several roles taken by the department for shaping the emergency medicine practices in country, noteworthy is its suggestion for upgrading the emergency medical services. Faculty from the department argued that the existing emergency services in the country are pathetic and needed to be quickly improved. The National Human Rights Commission took note of the argument and asked the Union Ministry of Health and Family Welfare to upgrade the emergency medical services.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Clinical Forensic Medical Unit is the first of its kind in the country
- Social activism in improving medical jurisprudence procedures
- Committed staff
- Learning resources are available with sufficient infrastructural support.

Weaknesses:

- The real potential of forensic medicine has not been exploited by clinical branches well enough

Opportunities:

- Advocacy of required changes and simplification in jurisprudence procedures through public interest litigations
- Training of medical officers and police personnel in correct forensic procedures

Challenges:

- To keep forensic medicine relevant to students even after they pass II MBBS- need to reinforce concepts again and again

52. Future plans of the department.

- To develop laboratory attached to Mortuary for Blood, Semen analysis.
- Planning to develop training center for Medical Officers and Police Officers.
- To teach students using actual cases using e-learning modules

ANNEXURES FROM FORENSIC MEDICINE AND TOXICOLOGY

ANNEXURE I A : PUBLICATIONS

1. **The Anthropometric Measurement of Humerus Segments**-Bokaria P, Bokariya R, Gudfade D, Shyamal A, Tirpude B.H.,Shende M.. Journal of Forensic Medicine & Toxicology. Vol 28, No. 1, Jan-June 2011.P-53-55.
2. **Demographic Profile of Fatal Cranio-Cerebral Injuries: A study from institute of Rural Central India.** Ninave S., Tirpude B.H., Agraval A, Anjankar A., Ninave S.Journal of Forensic Medicine & Toxicology. Vol 28, No. 1, Jan-June 2011.P-30-33.
3. **Injury Distribution of Autopsy in Cases of Fatal Cranio-Cerebral Injuries: An Experience from Rural Central India.**Ninave S., Tirpude B.H., Agraval A, Anjankar A., NinaveSanjot.Journal of Forensic Medicine & Toxicology. Vol 28, No. 1, Jan-June 2011,P-6-11.
4. **A Rare Congenital Cyanotic Heart Disease with Paraganglioma of Heart- A Case Report.** Pawar V.,Shende S., MazumdarA.,MoreS.,Murkey P.N., Tirpude B.H. Journal of Forensic Medicine & Toxicology. Vol 28, No. 1, Jan-June 2011,P-12-14
5. **Trends of Childhood Poisoning & Parental Negligence:**Borkar JL, AmbadeVM,Tirpude BH, Medicolegal Update.July-Dec2011,Vol.11,No.2,P-101-104.
6. **A Review of Chronology of Epiphysial Union in the Bones at Knee & Ankle joint.** Bokaria Pradeep, Chowdhary DS, Tirpude BH, Kothari Ruchi,Waghmare JE. J. Indian Academy of Forensic Med. July-September2011, Vol.33,No.3,P-258260
7. **Pattern of Burn injury in rural part of Central India:** Zopate PR, Tirpude B H , Murkey P N .Indian Journal of Burns, Dec 2011.Vol.19,Issue-01,P-2-8.
8. **A study of wrist joint ossification by radiological examination fro age estimation in the female population of central India.** Wankhade P, Tirpude BH, Murkey PN, Zopate PR, Surwade V, Nagare N. Journal of Forensic Medicine, Science Law. VOL.20. No.2. P1-10.
9. **Causes of death in relation with total body surface area in case of burn study at Kasturba Hospital,** Sevagram Zopate PR, Tirpude BH, Murkey PN JDMIMSU, Vol. 7, no 2, 2012, P127-129.
10. **Prevalence of Atherosclerosis in coronary arteries:** Keche AS, Tirpude BH, Bobade HJ, Journal of Indian Academy of Forensic Medicine, Vol-29, No1 Jan-June 2012 P 23-25.
11. **Correlation of Risk factors coronary Atherosclerosis: Keche:** AS, Tirpude BH, Bobade HJ, Journal of Indian Academy of Forensic Medicine. Vol 34, no 2April- June 2012. P 114-116.

12. **Post Mortem of Long Standing Hospital admitted cases an Overburden for the Medicolegal experts” A view.** Tirpude BH, Murkey PN, Wankhade P, AL Ameen Journal of Medical Science Vol. 5(2)2012, P109-115.
13. **The Anthropometric Measurements of Tibia:** Pradeep Bokariya, Bharat Sontakke, JE Waghmare, Aditya Tarnekar, BH Tirpude, MR Shende, Journal of Indian Academy of Forensic Medicine OCT 2012 Vol 134.
14. **To Study the correlation between hand and foot dimensions and structure amongst population in district of Maharashtra situated in Central India.:**Sumeet Shende, BH Tirpude, Sarika More. International Journal of Medical Toxicology and legal Medicine Vol.15 no 1 July-September 2012.
15. **Medicolegal profile of Brought dead cases received at Mortuary :** Dr B H Tirpude, Dr N Nagrale, Dr PN Murkey, Dr P Zopate, Dr S Patond. Journal of Forensic Medicine Sciences & Law Vol 21 Number 2 July- Dec 2012.
16. **Pattern of Chest injuries in fatal Vehicular accident in Central India:** Dr P Murkey, Dr N Nagrale, Dr B Tirpude, Dr P Wankhade, Dr S Patond. Journal of Forensic Medicine science & Law Vol 21 Number 2, July- Dec 2012.
17. **Age determination from epiphyseal union of bones at ankle joint in girls of central India:**Dr S Patond, Dr B Tirpude, Dr P Murkey, Dr P Wankhade, Dr N Nagarle, Dr V Surwade. Journal of Forensic Medicine science & Law Vol 21 Number 2, July- Dec 2012.
18. **Child Abuse –A curse to humanity:** DR P Wankhede, Dr B. Debberma, Dr B. Tirpude, Dr I. Khandekar, Dr P. Murkey, Dr P Bokhariya : Journal Of Forensic Medicine Science and Law Vol.21Number 2 , July Dec 2012.
19. **Right to health care:** Indrajit Khandekar, B H Tirpude, P N Murkey : Journal of Indian Academy of Forensic Medicine Vol34 number 2 , April June 2012.
20. **Establishing cheiloscopy as a tool for identification: an assessment on 500 subjects in central India:** Dr Ninad Nagrale, Dr BH Tirpude, Dr P Murkey, Dr S Patond. Al Ameen Journal of Forensic Medicine 2014; 7(3): 201-206.
21. **Development of the clinical forensic medicine program all over the India: need of time:** Indrajit Khandekar, B H Tirpude, P N Murkey, S Shende, Suken Singh, A S Keche. Indian Journal of Forensic Medicine and Pathology. Vol 7(3), July – Sept 2014, P-119-126.
22. **Trends of Agriculture and Industrial Chemical poisoning cases in Rural Hospital of central India:** Dr Ramteke, Dr P. Murkey, Dr B.Tirpude, Dr S. Meena, Dr V Surwade, Dr A. Salankar .Indian Journal of Forensic Medicine and Pathology. Vol 8(1), January- March 2015.
23. **A Roentgenographic study of wrist joint ossification for age estimation in the male population of central India:** Dr P A Wankhade, Dr BH Tirpude, Dr I L Khandekar, Dr N. Hussaini, Dr Mrs S P Wankhade. Journal of Forensic Medicine, Science and Law. Vol 22(1), Jan-Jun 2013.

24. **A Study of pattern of abdominal injuries in cases of railway traffic accidents brought to the Post mortem center:** Dr S.K. Meena, Dr B.H Tirpude, Dr P. Murkey, Dr R.Ramteke, Dr V. Surwade. Indian Journal of Forensic Medicine and Pathology. Vol 8(1), Jan – March 2015.
25. **A study of pattern of Cranio-cerebral Injuries in cases of railway traffic accidents brought to the post mortem centre:** Dr B H Tirpude, Dr Sachin Kumar Meena, Dr P N Murkey, Dr Rajesh Ramteke, Dr Vishal B Surwade . Journal of Indian Medico legal and Ethics Association, April – June 2015.
26. **Trends of household poisoning cases in rural hospital of central India:** Dr P.N Murkey, Dr BH Tirpude, Dr Rajesh B Ramteke, Dr sachin Kumar Meena, Dr A. Salankar, Dr T. Wankhade, Dr Vishal B Surwade. Journal of Indian Medico legal and Ethics Association, July – Sept 2015.
27. **Age estimation of proximal end fibular epiphysis in Adolescent Girls : A Radiological Study :** Dr Swapnil Patond, Dr VarshaPande, Dr Bipinchandra Tirpude, Dr Ninad Nagrale.Journal of Karnataka Association of Medicolegal Society (JKAMLS),Vol 24 (2) Jul-Dec 2015, Page 15-20.
28. **Profile of Burn Injury cases and Medicolegal formalities done at Clinical Forensic Medicine Unit (CFMU) of MGIMS, Sevagram:** B H Tirpude, IL Khandekar, T D Wankhade, P N Murkey, Ashish Salankar: Indian Journal of Forensic Medicine and Pathology Vol. 9 Number 1 Jan- March 2016.

ANNEXURE I B : BOOK(S) PUBLISHED:

Dr. B H Tirpude

Chapter on Medico-legal aspect of injuries due to fall from height
Text book of Medical Jurisprudence, Toxicology and Forensic Medicine (Ed: AS Deoskar), 3rd edition, January 2014, All India reporter.

Dr. P N Murkey

MCQ in Forensic Medicine & Toxicology
Reprint 2010 New Central Book Agency (P) Ltd, Kolkata

Dr. P N Murkey

Medicolegal aspects of care and cure
1st edition 2010, Paras Medical Publications, Hyderabad.

Dr. P N Murkey

Forensic Medicine before exam

1st edition 2012 Amit Book Company.

ANNEXURE II: GUEST LECTURES

1. **Dr. I.L.Khandekar:** Conducted a guest lecture on topic: Power of Police to Order Post-Mortem Examination vis a vis 174CrPC – A cause of concern, at 37th Annual National Conference of Indian Academy of Forensic Medicine-2016,

ANNEXURE IV A: CONFERENCES ATTENDED

A. Dr. B. H. Tirpude:

- 37th Annual National Conference of Indian Academy of Forensic Medicine-2016.

B. Dr. P. N. Murkey:

- CME on legal and ethical aspects of health care. 28th Nov 2014 at JNMC, Sawangi Meghe.
- CME on legal and ethical aspects of health care. 16th March 2015 at JNMC, Sawangi Meghe

C. Dr. I. L. Khandekar:

- 34th Annual National Conference of Indian Academy of Forensic Medicine Guwahati -31st January 2014 to 2nd February 2014
- 37th Annual National Conference of Indian Academy of Forensic Medicine-2016.

D. Dr. P. R. Zopate:

- State Conference of Medicolegal Association of Maharashtra, Mahabaleshwar. (22nd Feb to 23rd Feb 2014)
- State Conference of Medicolegal Association of Maharashtra, (MediJuriscon 2016) at Pune.

ANNEXURE IXA: MD THESES

Name of PG Student	Name of MD Thesis
1. Dr. SandipBhowate 2010	Study of pattern of Thoracoabdominal injuries in fatal traumatic cases at rural hospital.
2. Dr. AlokMazumdar 2010	Pattern of Intracranial trauma in fatal head injury cases at a rural institute and diagnostic reconstruction of some of the incidences for its correlation.

3. Dr. Pawan Wankhade 2011	A study of wrist and elbow joint ossification for age estimation in the population of central India.
4. Dr. Biprojit Debbarma 2011	A study of morphological dimensions and weight of vital intracranial, thoracic, abdominal viscera and correlation of it with body weight and length of deceased in fatal medicolegal cases.
5. Dr. Swapnil Patond 2012	Estimation of age from knee joint and ankle joint by radiographic assessment of epiphyseal fussion of related bones in population of central India.
6. Dr. Ninad Nagrale 2012	Exploration and application of Cheiloscopy amongst the inhabitants of central India in view of various aspects of human identification with Forensic ideology.
7. Dr. Vishal Survade 2013	Estimation of age from shoulder joint by radiographic assessment of epiphyseal fusion of related bones in population of central India.
8. Dr. Sachin Meena 2014	A study of manner of death and pattern of injury in Railway accident cases brought to the postmortem Centre.
9. Dr. Rajesh Ramteke 2014	Trends of poisoning cases in rural Hospital of Central India
10. Dr. Toshal Wankhade 2015	Assessment of Medicolegal Case Management and Documentation at Clinical Forensic Medicine Unit in A Hospital of Medical College.
11. Dr. Ashish Salankar 2015	Forensic Evaluation of Medicolegal Cases with Craniocerebral Injuries Reported to Rural Medical College in Central India.

DEPARTMENT OF COMMUNITY MEDICINE

1. Name of the Department : Community Medicine

2. Year of Establishment :1969

3. Is the Department part of a college?

Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram

4. Names of programs offered (UG, PG, PharmD, Integrated Masters, M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialtyfellowship, etc.)

- MBBS
- MD (Community Medicine)
- PhD (Community Medicine)
- PG Diploma in Maternal and Child Health

5. Interdisciplinary programs and departments involved -

PG students are posted for limited period in the other Departments according to University guidelines.

- Clinical postings of post-graduate students in Medicine (1 month), Pediatrics (15 days), Obstetrics and Gynecology (15 days), Microbiology (1 week)
- Posting in the District Health Office (1 month)
- Posting in the District hospital (1 month)

Also PGs from other Departments come for posting in Community Medicine dept.

- Nursing education (1 month)

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

A. PG Diploma in Maternal and Child Health (PGDMCH) – with Departments of Pediatrics &Obs&Gyn) (with Indira Gandhi National Open University);

B. PG Diploma in Geriatric Medicine (PGDGM)(with Indira Gandhi National Open University);

7. Details of programs discontinued, if any, with reasons: Not applicable

8. Examination System:Annual

9. Participation of the department in the courses offered by other departments -

PG Diploma in Geriatric Medicine (PGDGM) with Department of Medicine

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/ Asst. Professors/others)**

Teaching Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	5
Associate Professor	2	2	4
Assistant Professor	7	7	3
Tutor / Clinical Instructor	3	4	4
Sr. Resident	-		

**11. Faculty profile with name, qualification, designation, area of specialization
experience and research under guidance.**

Name	Qualification	Designation	Specialization	No. of Years of experience
Dr. B.S. Garg	MD PhD	Director- Professor	PSM	37 Yrs.
Dr. A.M. Mehendale	MD MPH	Director- Professor & Head	Community Medicine	36 Yrs.
Dr. Subodh S. Gupta	MD DNB(MCH) DNB(SPM)	Professor	Pediatrics & PSM	22.5 Yrs.
Dr. P.R. Deshmukh	MD	Professor	Community Medicine	19 Yrs.
Dr. Chetna Maliye	MD	Professor	Community Medicine	14 Yrs.
Dr. D.G. Dambhare	MD	Associate Professor	Community Medicine	14 Yrs.
Mr. M.S. Bharambe	MSc (Stat)	Associate Professor	Statistics	32 Yrs.
Dr. Abhishek Raut	MD	Associate Professor	Community Medicine	6.11 Yrs.
Dr. Ranjan Solanki	MD	Assistant Professor	Community Medicine	5.10 Yrs.

Dr. AbhayAmbilkar	MD	Assistant Professor	Community Medicine	2 Yrs
Dr. Ashwini Kalantri	MD	Assistant Professor	Community Medicine	1.1 Yrs
Dr. Anuj Mundra	MBBS	Tutor		3 Months
Dr. Rashmi Gode	MBBS	Tutor		3 Months
Dr. Raviraj Kamble	MBBS	Tutor		3 Months
Dr. Snehal Kasare	MBBS	Tutor		3 Months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors - NA

13. Percentage of classes taken by temporary faculty – program-wise information- MGIMS does not have any temporary faculty.

14. Program-wise Student Teacher Ratio

UG: 1:9

MD (Community Medicine): 1 student for each PG teacher

PGDMCH: 5 students for each teacher

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Academic Support Staff	Sanctioned	Filled	Actual
Technical Staff	27	27	27
Administrative Staff	12	12	12

16. Research thrust areas as recognized by major funding agencies

The major research thrust area of the department is as follows:

- 1) Reproductive and child health; including maternal health, newborn health, adolescent health, PCPNDT implementation, ICDS etc.
- 2) Community Health Action and Community-owned Health Services
- 3) Communicable diseases
- 4) Non-communicable diseases

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Currently, the department is implementing the following projects:

Phase III, Multicenter, Randomized, Double-blind, Placebo-controlled study to evaluate the efficacy and safety of live attenuated Bovine-Human Rotavirus Reassortant Pentavalent Vaccine (BRV-PV) against severe Rotavirus gastroenteritis in healthy Indian infants

Rs. (in Lakhs): 814

Garg BS, Subodh S, Maliye CH, Jain M, Bahulekar PV, Raut AV, Ambilkar AW
Funded by PATH/SIIL

Concurrent Monitoring for Quality Improvement in ICDS, Govt of India (NIPCCD)

Rs. (in Lakhs): 1.74

Garg BS, Subodh S Gupta, Maliye CH, Raut AV, Solanki RS, Ambilkar A, Kalantri A
Funded by NIPCCD

Audit of information regarding malnutrition, under-five & maternal deaths in Melghat tribal area of Maharashtra

Rs. (in Lakhs): 9.05

Garg BS, Gupta SS, Raut AV, Bahulekar PV, Bharambe MS, Ambilkar A, Kalantri A
Funded by UNICEF, Mumbai

Centre for Advanced Research for Community Based Maternal, Newborn and Child Health (ICMR)

Rs. (in Lakhs): 431.34

A. Community-owned Management Information System: An Alternative Model of Community Monitoring for Health

Garg BS, Subodh S Gupta, Maliye CH, Bharambe MS, Bahulekar PV, Raut AV, Solanki RS, Ambilkar A, Kalantri A

B. Central India Rural Pregnancy Cohort

Garg BS, PoonamVarma Shivkumar, Subodh S Gupta, Deshmukh PR, Maliye CH, Bharambe MS, Bahulekar PV, Raut AV

C. Improving Health Care Seeking For Morbidities among Newborns and Young Infants in Rural Wardha

Garg BS, Subodh S Gupta, Maliye CH, Jain M, Bharambe MS, Bahulekar PV, Raut AV, Solanki RS, Ambilkar A, Kalantri A

D. Workshops on Capacity Building for Medical College faculties in Maternal, Neonatal and Child Health and Nutrition (MNCHN) Research

Garg BS, Subodh S Gupta, Deshmukh PR, Maliye CH, Bharambe MS, Bahulekar PV, Raut AV

18. Inter-institutional collaborative projects and associated grants received

d) National collaboration b) International collaboration

Apart from the ongoing research projects included in response to question number 15, the following research projects have also been completed in the last five years.

National Collaboration

Surveillance of neonatal infection – An ICMR task force Study

Rs. (in Lakhs): 49

Garg BS, Gupta SS, Maliye CH, Dikshit S, Khairkar V
Funded by ICMR (National)

Surveillance of Select Zoonotic Diseases in Central India

Rs. (in Lakhs): 145

Narang R, Deshmukh PR, Deotale V, Jain M, Narang U, Raut A, Maraskolhe D
Funded by ICMR(National)

DLHS IV CAB study

Rs. (in Lakhs): 18.82

Garg BS, Bharambe M, Dambhare DG, Bahulekar PV
Funded by NIHFV, New Delhi(National)

Impact Evaluation of Rajiv Gandhi National Crèche Scheme

Rs. (in lakhs): 0.63

Garg BS, Bharambe MS, Raut AV, Solanki RS, Taywade ML
Funded by NIPCCD, New Delhi(National)

Evaluation of Service NGO in Wardha District, MGIMS, Sevagram

Rs. (in lakhs): 0.49

Garg BS, Bharambe MS, Solanki RS
Funded by SHSRC, Pune, Maharashtra(National)

Evaluation of Functioning of ASHA in ICDS related activities

Rs. (in lakhs): 0.43

Funded by NIPCCD, New Delhi(National)

Non Communicable disease risk factor surveillance among school children district Wardha, Maharashtra

Rs. (in lakhs): 0.40

Garg BS, Bharambe MB, Raut AV, Solanki RS

Funded by MOHFW, Govt. of India(National)

Evaluation of JananiSurakshaYojana in Wardha&Chandrapur Districts of Maharashtra

Rs. (in lakhs):1.42

Garg BS, Bharambe MB, BahulekarPV(National)

A phase IV, Open label, randomized, parallel group, multicentric clinical study to determine and compare reactogenicity of PENTAVAC vaccine (DTPw-HB+Hib) of SIL with Tritanrix-HB-HiB of GSK in Indian Infants

Rs. (in lakhs):2.50

Garg BS, Gupta SS, Deshmukh PR,Maliye CH, Raut AV

Funded by Serum Institute of India/MUHS Nashik(National)

Effect of probiotics VSL#3 on prevention of sepsis in LBW infants during 0-2-month period: randomised controlled Trial

Rs. (in lakhs): 31.87

Garg BS, Gupta SS, Deshmukh PR, Maliye CH, Dambhare DG

Funded by GOI/ICMR New Delhi(National)

Study of Perinatal Deaths in Wardha

Rs. (in lakhs): 1.74

Garg BS, Deshmukh PR, Bharambe MS, Bahulekar PV, Maliye CH, Raut AV

International Collaboration

Prospective Observational Study of Rotavirus Infection in Infants in Sevagram

Rs. (in lakhs): 61.85

Garg BS, Deshmukh PR, Maliye CH, Raut AV, Taywade M

Funded by PATH/SIIL(International)

Development of Adaptation package for Care for Child Development

Rs. (in lakhs): 123

Garg BS, Gupta SS, Maliye CH, Raut AV, Taywade M, Bahulekar PV

Funded by World Health Organization, India Country Office (International)

Catalysing the health sector as a leader in creating multi-sector collaboration to address NCDs in India. A systematic review of NCD prevention strategies with focus on healthy diet in India

Rs. (in lakhs):2.98

Garg BS, Deshmukh PR, Raut AV, Lena Grundberg, Nawi Ng, Miguel San Sebastian, Baridalyne N, Anand Krishnan

Funded by Umea University, Sweden(International)

A systematic review of the effectiveness of multi-sectoral, community-based interventions for improving nutritional outcomes in rural India

Rs. (in lakhs): 1.95

Garg BS, Jones A, Deshmukh PR, Raut AV

Funded by TATA-Cornell Agricultural Initiative(International)

Study on provision of Referral services and its Impact under RCH/NRHM in Maharashtra

Rs. (in lakhs): 1.26

Garg BS, Raut AV, Solanki RS

Funded by UNFPA(International)

A study of perinatal mortality in Wardha, Maharashtra, India

Rs. (in lakhs):1.49

Garg BS, Deshmukh PR, Bharambe MS, Maliye CH, Raut AV, Bahulekar PV

Funded by WHO SEARO (International)

Establishment of State quality assurance cell for Emergency Obsteric Training for NIPI States UP, Rajasthan, Bihar, MP and Orissa

Rs. (in lakhs):7.70

Garg BS, Maliye CH

Funded by WHO India Country Office

Establishment of State quality assurance cell for Emergency Obstetric Training for Non NIPI States Assam, Jharkhand, Maharashtra, and Chattisgarh

Rs. (in lakhs):6.33

Garg BS, Maliye CH

Funded by WHO India Country Office

Five State Project about Integration of Medical Education with Primary and SecondaryHealth Care in collaboration with Center for Innovations in Public Health (CIPS),Hyderabad, MGIMS, Sevagram and Christian Medical College, Vellore initiative

Rs. (in lakhs):4.1

Funded by Center for Innovations in Public Health (CIPS), Hyderabad

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

The Department has several projects through ICMR, details of which is provided in response to the previous two questions.

20. Research facility / centre with

- **state recognition**
 - **national recognition**
 - **international recognition**
-
- With the experienced faculty members and its functional Rural and Urban Health Training Centers, the Department of Community Medicine is recognized at national and international level as an important site for implementation of community-based research projects.
 - The Department has conducted several large community-based research projects, some of which are USAID sponsored project, 'Community-led Initiatives for Child Survival', GOI/ ICMR sponsored, 'Home-based Management of Young Infants', WHO/ INTERVIDA Collaborative Project on Early Childhood Development, Phase III Rota vaccine trial etc. Most of these trials have been conducted for a population ranging from 75,000 to 2,00,000.
 - Dr. Sushila Nayar School of Public Health, Sevagram has been designated as WHO Collaborating Center for Research and Training in Community Based Maternal, Newborn and Child Health since 14 Jul 2009.
 - Dr. Sushila Nayar School of Public Health, Sevagram has been designated as ICMR Advance Center for Research in Community-based Maternal, Newborn and Child Health and has been sanctioned four projects as part of the Advance Center under ICMR since 01 Jan 2015.
 - Dr. Sushila Nayar School of Public Health, Sevagram has been designated as the Nodal centre for Concurrent monitoring and supportive supervision for quality improvement of ICDS for the state of Maharashtra since July 2008.

21. Special research laboratories sponsored by / created by industry or corporate bodies

Not applicable

22. Publications:

Monographs, Books and Chapters in books and papers published in peer reviewed journals (national / international) is enclosed in **Annexure –I**

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Institute policy does not allow any financial incentives to be received however despite this consultancy has been provided to international agencies, Government of India, ICMR and other organizations. The major area of consultancy includes Reproductive and child health and for developing training materials for primary health care.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Please refer to Annexure II for details of faculty who have visited other institutions as experts for guest lectures, task force meetings.

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (specify)

The details of faculty members serving in national/ international committees and editorial boards are included in Annexure III.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Please refer to Annexure IV

28. Student projects

PGs – The projects conducted by the post-graduate students are included in Annexure VIII A.

UGs – The projects conducted by the students are included in Annexure VIII B.

Percentage of students who have taken up in-house projects including inter-departmental projects

MBBS students: Under Essential National Health Research (ENHR) scheme, MBBS students take group projects in groups of 4-5 students. More than two-thirds of the students participate in this scheme. In addition, some of the students also submit projects for ICMR short term studentship. Approximately 10-15 students get selected every year under ICMR short term studentship, out of this, 2-3 project on an average are conducted within the Department of Community

Medicine.

MD (Community Medicine) – All students are expected to do dissertation. In addition, students do several short projects

PGDMCH – All students are expected to do a project work, which is mandatory

Percentage of students doing projects in collaboration with other universities / industry / institute (As annexure)

Nil

29. Awards / recognitions received at the national and international level by

a) Faculty

b) Doctoral / post doctoral fellows

c) Students

Please see Annexure V

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstation participants, if any.

Seminar/ conferences/ workshops organized by Department of Community Medicine are included in Annexure VI.

31. Code of ethics for research followed by the departments

The research in our institute is guided by ICMR Ethical Guidelines for Biomedical Research (http://icmr.nic.in/ethical_guidelines.pdf). In addition, we follow all guidelines by Government of India as published in the Gazette of India on 30 Jan, 01 Feb and 08 Feb in 2013.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES (I MBBS) 2015	12871	46%	54%	46%	54%
(I MBBS) 2014	15555	48%	52%	48%	52%
(I MBBS) 2013	8119	53%	47%	53%	47%
(I MBBS) 2012	16003	52%	48%	52%	48%
(I MBBS) 2011	12518	51%	49%	51%	49%

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES (I MBBS) 2015	12871	46%	54%	46%	54%
POSTGRADUATES					
2015	247	34%	66%	66%	34%
2014	265	34%	66%	66%	34%
2013	191	80%	20%	80%	20%
2012	149	80%	20%	80%	20%
2011	205	66%	34%	66%	34%

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBBS *	NA	50%	50%	Nil
MD(Community Medicine)	20%	75%	5%	Nil
PG Diploma in Maternal and Child Health	80%	15%	5%	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Not available.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	All who are interested in pursuing Post-graduate studies
PG to MPhil, DM / M Ch / DNB	Not available
PG to Ph.D.	Not available

Student progression	Percentage against enrolled
Ph.D. to Post-Doctoral	Not available
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Undergraduates (rural posting): For all those who are interested Post-graduate: 100% employment through other than campus recruitment
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	41%
from other universities within the State	41%
from universities from other States	18%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to **a) Library**

There is a separate library within the department with seating capacity of 30.
Number of books: 1093
Number of periodicals: 15

b) Internet facilities for staff and students

Wi-Fi internet facilities are available through hospital information system to all faculty and students free of cost. This facility has also been extended to the two rural and one urban health training centers under the department. Internet facility is available 24 X 7 at all these facilities.
Adequate number of computers and printers are also available at all these centers: Number of computers: 30 (Department), 3 (KRHTC, Anji), 2 (RHTC, Bhidi), 2 (UHC, Wardha)

Printers: 10 (Department), 2 (KRHTC, Anji), 1 (RHTC, Bhidi) & 2 (UHTC, Wardha)

c) Total number of class rooms

Department:

Lecture hall (capacity of 120),

Demonstration room (capacity of 40),
Seminar hall (capacity of 45),
Small group meeting room (capacity of 20).

KRHTC, Anji

Lecture hall (capacity of 50).

RHTC, Bhidi

Lecture hall (capacity of 80)

UHTC, Wardha

Lecture hall (capacity of 80)

d) Class rooms with ICT facility and ‘smart’ class rooms

All lecture halls are Wi-Fi enabled and have LCD/LED projection facility.

Department

Lecture hall: fixed LCD projector and screen

Seminar hall: 60” TV which can be connected with computer for projection with additional facility of video-conferencing

Small group meeting room: fixed LCD projector with screen

RHTC & UHTC

KRHTC, Anji & RHTC, Bhidi – Large TV connected to computer

UHTC, Wardha – fixed LCD projector with screen

Total Audio-visual aids

LCD projector – 5

TV - 3

Slide projector – 3

Overhead projector – 5

Epidiascope – 1

Public address system – 1

Tape recorder – 1

White Board – available in each lecture hall/ seminar hall/ rural health centers/ urban health centers

e) Students’ laboratories

A dedicated students’ laboratory with appropriate laboratory tables and stools for students

f) Research laboratories

The Institute has a Central Research Laboratory located in the Department of

Biochemistry, which is utilized for the research studies, depending on the need.

g) Additional facilities

Museum: Two museums with adequate charts, specimens and models

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university -

- 5 MD Community Medicine candidates every year
- 3 candidates have registered for PhD
- 5 students every year for the PGDMCH course

b) from other institutions/universities Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

This exercise is undertaken at the level of MUHS, the staff members who are on the BOS represent our feedback to the university

42. Does the department obtain feedback from

51) faculty on curriculum as well as teaching-learning-evaluation?

If yes, how does the department utilize the feedback?

6. Departmental meetings and feedback - Periodic meetings are organized in the department with all faculty members, usually once in 6 months. In addition, before organization of every camp (orientation camp, social service camp and ROME camp), a detailed discussion is held on how the curriculum during these camps could be further improved.
7. The Department has also undertaken exercise of Appreciative enquiry wherein respective in charge faculties with their teams reflected upon their best moments and identified the factors that made those moments possible and made a future plan for improving the functioning of their centre.
8. Curriculum committee – regular feedback of teaching at institute level is taken in curriculum committee
9. College council – regular feedback of teaching at institute level is also taken in curriculum committee
10. IQAC–discussion on teaching learning evaluation also takes place in IQAC meetings

Based on the feedback from faculty in departmental meetings and other committees accordingly changes are made in the teaching learning methods to improve teaching.

52) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

At the end of the Unit/system taught by each teacher,

- feedback is taken from the students in order to improvise and overcome limitations, if any.
- Mentor-Mentee meetings
- Also institutional feedback taken from the batch which has passed respective phase of MBBS
- Feedback from faculty is obtained

At the institute level, a system of feedback from students has been established where feedback is obtained from the students separately for each subject. The specific feedback related to department of community medicine is passed on to the Head of Department. In addition, we take feedback from students at the end of every camp (orientation camp, social service camp and ROME camp). We have also initiated a system of comprehensive feedback for community-based medical education at our institute. Feedback is also taken after each series of problem-based learning classes in the department.

The department of Community Medicine has initiated its own mentorship program wherein every student when they begin their 6th semester is allocated a faculty from the department as mentor. The program specifically aims to solve the difficulties in the subject of Community Medicine and help improve the learning of students in Community Medicine and prepare them for appearing in Community Medicine examination. Respective faculty conducts meetings with their allocated mentees and solve their queries related to subject. Also maintaining the confidentiality, feedback is provided to Head of the Department for improving the teaching-learning methods.

53) alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback from alumni is taken at the institute level

43. List the distinguished alumni of the department (maximum 10)

There are several alumni who are doing distinguished work. Some of them include

- Dr. Vikas Bhatia: Dean, AIIMS, Bhubaneswar
- Dr. Surekha Kishore: Dean, AIIMS, Rishikesh
- Dr. Surendra S Shastri: Professor & Head, Preventive Oncology, Tata Memorial Hospital, Mumbai)
- Dr. Sadhana Bose: Department of Medical Education at Curtin University, Western Australia; worked earlier as Lead, National Childhood Cancer Intelligence on NCIN site specific cancer research group, Director, Regional Breast Cancer Screening for South Central England, and Lead, Regional Clinical Quality for South East England
- Dr. SherinVarkey: Chief, Health and Nutrition, UNICEF, Afghanistan
- Dr. Sanjeev Upadhyay: Health Specialist, UNICEF, Hyderabad
- Dr. Anchita Patil:Independent consultant, Worked earlier as Program Officer, UNFPA, New Delhi
- Dr. Amol Dongre: Dean (Research) and Professor & Head, Department of Community Medicine, Sri ManakulaVinayagar Medical College and Hospital, Valvanur, India
- Dr. Murali Krishna: Principal M&E Advisor, governance for Development Support Services, Australian Aid – Timor Leste
- Dr. Vikash R Keshri: Maternal Health Specialist, CARE India, located at Patna, Bihar

More details about these Alumni have been included in Annexure IX.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

MGIMS, Sevagram has introduced several innovations in medical education (especially community-based medical education), for which it is recognized at national and international level. The Department of Community Medicine plays a central role in these innovations.

Orientation camp

The department organizes special lectures by external experts mainly during the camps organized for students under its community-based medical education. In orientation camps, scholars in Gandhian thought are invited who talk to the students regarding Gandhian thought, humanity, value of labor and ethics and value-based medical practice.

Social service camp

During social service camp and ROME camp, students get opportunity to interact with District Health Officer and program managers for different national health programmes at district level, Block Medical Officer and Medical Officers posted at CHC and PHC. In addition, they also get opportunity to interact with members

of Panchayat Samiti, Gram Panchayat, health functionaries at different level of health care.

Workshop on Essential National Health Research

During the third semester, the Department of Community Medicine organizes 2-days workshop on Essential National Health Research.

Workshop on ‘Developing Good Study Skills’

In addition, the faculty members from the department also participate in workshops for the students at institutional level, e.g. on ‘Developing Good Study Skills’.

Series of mini-workshops

Several mini workshops are organized for students during the camps. These include workshop on

- ‘Communication Skills’,
- ‘Values in Health Care: a Spiritual Approach (VIHASA)’,
- ‘Ethics in health care’,
- ‘Personal & Professional Development’,
- ‘Behavior Change Communication’

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

The Department of Community Medicine believes in active learning. Community-based medical education through various camps and village adoption scheme provide us with excellent setting for promoting active learning among the students. The methods for active learning during the camps include – Adoption of rural families and their follow-up, Group work, Demonstration, Interactive sessions etc. Please see Annexure X for a detailed description of the Community-based Medical Education at MGIMS, Sevagram.

In addition, we have initiated Problem-based Learning during the clinical posting of students in Department of Community Medicine during third to seventh semester. This method is highly appreciated by the students.

In addition, since the last year, we have started developing e-learning courses which will complement the classroom, clinical and community-based teaching. Two online courses are being offered currently to the students – 1) Community Health and Development – learning from the community: a complementary e-learning course has been developed for the Social Service Camp and Village Adoption Scheme, 2) Reproductive, Maternal, Newborn, Child and Adolescent

Health. The plan is to develop E-learning courses for all topics in Community Medicine and blend it with the traditional approach of teaching students.

For undergraduate students a web-based library of learning resources has been developed (<http://pglibrary-publichealth.wikispaces.com/>). During the Re-orientation of Medical Education (ROME) Camp held during the 6th semester, UG students are provided orientation to computer programs; viz. EPI6 for database management, Word Processing, Spreadsheet and Presentation softwares.

For the post-graduate students, the department has well-developed system of posting the Post-graduate students at rural and urban health training centers of Department of Community Medicine, Clinical Departments, as well as District Health System. A web-based library (<http://pglibrary-publichealth.wikispaces.com/>) and an e-group at yahoo groups (https://groups.yahoo.com/neo/groups/pg_snsph/info) has also been developed and these are functional since 2007. In 2015, a whatsapp group has also been initiated which helps in instant sharing of learning resources and discussion on important issues. In addition, the department organizes workshops on 'Epidemiological Study Designs', 'Database management and analysis using software', and 'Qualitative Research Methodology', in which the PG students participate regularly.

A few innovations in medical education introduced in the last two years are enumerated below:

UG Students

- a. Initiation of problem-based learning during the clinical posting of students
- b. Initiation of E-learning during social service camp and village adoption scheme.
- c. Initiation of E-learning for Reproductive, Maternal, Newborn, Child and Adolescent Health
- d. E-learning for IMNCI in collaboration with Department of Pediatrics
- e. Revitalization of workshop on Essential National Health Research for the third semester
- f. Inclusion of session on Ethics during Orientation Camp for 1st year students

PG Students

- a. Opportunities for participation in summer school at Ben Gurion University, Beer Sheva, Israel
- b. Initiation of Whatsapp group for Preparation of PG calendar

- c. Regular classes of Post-graduate students in Biostatistics, Epidemiology and Health Management
- d. Continuation of posting for the Post-graduate students at District Health System/ District Hospital
- e. Continuation of posting of Post-graduate students in Rural Health Training Centers/ Primary Health Centers/ Urban Health Center

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- i. Evaluation of MBBS program is done through results of classroom/ internal assessment in following exams: Part Completion Tests, Terminal Exam & Preliminary Exam and University exams
- ii. Feedback is collected from the students
- iii. Feedback is collected from the faculty
- iv. Discussion at curriculum committee meeting and college council regarding the same is conducted.

The Institute follows the guidelines of Maharashtra University of Health Sciences regarding the internal assessment of the students.

For under-graduate students, it is mandatory that they participate in three internal assessments conducted for their batch. These internal assessments are prepared based on the pattern of examination prescribed for university exam. After assessment of answer sheets by the faculty members, the students are invited to see their answer sheets and they receive feedback on their performance from the respective teachers who assess their answer sheets. To encourage students perform well, we have included award for best camping students for the three camps conducted by Department of Community Medicine.

47. Highlight the participation of students and faculty in extension activities.

Annexure X describes the extension activities of Department of Community Medicine

48. Give details of “beyond syllabus scholarly activities” of the department.

All the faculty members in the department are engaged in academic activities, consultancy to the government health system and research activities. Every year, the department of community medicine hosts a number of state and national level workshops and training programs for participants from all over the country. The

faculty members also act as resource persons in various state, national and international level workshops and training programs. All the faculty members actively participate in research activity. The department, in the last two years had research projects funded by Government of India, Indian Council of Medical Research, World Health Organization, UNICEF, USAID/ AKF (USA). At present, the department has five on-going research projects.

Workshop on Essential National Health Research

During the third semester, the Department of Community Medicine organizes 2-days workshop on Essential National Health Research.

Workshop on ‘Developing Good Study Skills’

In addition, the faculty members from the department also participate in workshops for the students at institutional level, e.g. on ‘Developing Good Study Skills’.

Series of mini-workshops

Several mini workshops are organized for students during the camps. These include workshop on

- ‘Communication Skills’,
- ‘Values in Health Care: a Spiritual Approach (VIHASA)’,
- ‘Ethics in health care’,
- ‘Personal & Professional Development’,
- ‘Behavior Change Communication’

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- Date of MBBS recognition by MCI:
- Date of MD recognition by MCI:
- Date of Ph.D. recognition from MUHS:
- Date of last inspection of
 - MCI: 05-02-2016
 - MUHS: 02-03-2015

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Since its inception, the Department of Community Medicine had been involved in several landmark studies. We are listing some of the studies conducted in the last 12 years.

- We were awarded USAID grant for a program, ‘Community-led Initiatives for Child Survival’. Under this we could develop a model of community mobilization and health action through involvement of various community-based organizations. This model help strengthen the Village Health Nutrition and Sanitation Committee as envisaged under NRHM.
- The Department was one of the five sites for the GOI/ ICMR project for home-based management of young infants. In this, we tested a model of newborn care as advocated by Dr. Abhay Bang, SEARCH, Gadchiroli.
- We also conducted an RCT on use of probiotics, #VSL3 for prevention of neonatal sepsis among low-birth weight babies. The study was published in BMJ Open Access. Based on the recommendations of this study, we have applied for a larger study under the BIRAC initiatives of Department of Biotechnology and Bill & Melinda Gates Foundation.
- Under WHO/ INTERVIDA Collaborative Project on Early Childhood Development, we have developed a model of promotion of child development utilizing the existing frontline workers in the health and ICDS sector.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Adequate faculty
- Trained faculty
- Community mobilization
- Dynamic Rural and Urban Health Training Centers, with adequate field based activities
- Strong linkage with the district health system
- Innovative community-based medical education and central role of department of community medicine in medical education
- Strong networking at national and international level; faculty members from the department are part of several important committees at district, state, national and international level
- Wide recognition of the department of community medicine at national and international level – currently the department is a designation WHO Collaborating Center for Community Based Maternal, Newborn and Child Health and ICMR Advance Center for Research in Community-based Maternal, Newborn and Child Health

Weaknesses

- Due to location in a rural area, difficult to attract skilled manpower – both

- faculty members as well as support staff
- Considering the involvement of faculty members in service, teaching and research, scientific publications should be more

Opportunities

- With reform in medical education being on card in India, it could be opportune moment to disseminate the Sevagram model of Community-based Medical Education
- Evolution of information technology, provides additional platform for us to reach out to policy makers and other stakeholders with innovations in community empowerment, health ownership and medical education

Challenges

- Sustaining its innovation in medical education in context of changing policy for Pre-medical entrance test as well as post-graduate admission process
- Sustaining community mobilization and other community based activities
- Research funding

52. Future plans of the department.

Short term

Teaching

- To develop E-learning courses for all units and make appropriate changes in the classroom teaching so that blended learning is promoted
- To further strengthen 'Problem-based Learning' in Undergraduate curriculum

Service

- To build the infrastructure of Rural Health Training Centers and Urban Health Center
- To consolidate its activities in the three PHC under field practice area of the department
- To strengthen the services and do capacity building of the health staff in the three Primary Health Centers and one Rural Hospital for which the department has got administrative control through Public Private Partnership.
- To develop an IEC cell within the department, which will produce IEC materials

Research

- To do research in key areas of ‘Maternal, Newborn and Child Health’, ‘Empowerment of Community for Decentralized Health Care System’, ‘Early Childhood Care and Development’ and ‘Epidemiology of Non-Communicable Diseases’

Long term

Teaching

- To develop E-learning courses for all units and make appropriate changes in the classroom teaching so that blended learning is promoted
- To further strengthen ‘Problem-based Learning’ in Undergraduate curriculum
- To initiate short course in public health and epidemiology
- To initiate ‘Masters in Public Health’ program

Service

- To develop department as the nodal center for community based prevention of chronic diseases
- To develop model for community based palliative care

Research

- To do research for ‘Gender Mainstreaming’, ‘Gender Mainstreaming in Health care, Medical Education and Research’,
- Research on use of renewable energy in health care
- Develop a demographic surveillance system (DSS)

ANNEXURES FROM COMMUNITY MEDICINE

ANNEXURE – IA PUBLICATIONS

2015

1. Shashank Dalvi, Prasad S Kulkarni, MA Phadke, SS More, Sanjay K Lalwani, Dipty Jain, Mamta Manglani, BS Garg, Mohan K Doibale, CT Deshmukh & SIIL: A comparative clinical study to assess safety and reactogenicity of a DTwP-HepB+Hib vaccine. Human Vaccines & Immunotherapeutics 2015; 11(4):901-907.
2. R R Patil & B S Garg: Prevalence of Hypertension and variation in Blood Pressure among school children in Rural Area of Wardha. Indian J of Public Health 2014; 58,2, 78-83.

3. Garg BS & A Raut: Adarsh gram: A Gandhian dream of gram Swaraj. Indian Journal of Community Medicine, Jan-Mar 2015, Vol 40, No1;1-4.
4. Rakesh Kumar: Anthropometric and Behavioral Risk Factors for Non-Communicable Diseases: A Cluster Survey from Rural Wardha. Indian Journal of Public Health, Volume 59, Issue 1, January-March, 2015.
5. Deshmukh PR, Dongre AR, Rajendran KP: Social capital and its effect on quality of life in elderly. Indian Journal of Palliative Care 2015;21(1):40-44.
6. Dutta S, Deshmukh PR: Prevalence & determinants of self-reported chronic bronchitis among women in rural central India. Medical Journal Armed Forces India 2015; 71:48-52.
7. Bhalavi V, Deshmukh PR, Goswami K, Garg N: Prevalence and correlates of metabolic syndrome in the adolescents of rural Wardha. Indian Journal of Community Medicine 2015;40(1): 43-48.

2014

1. Talapalliwar MR and Garg BS: Nutritional Status and its Correlates among Tribal Children of Melghat, Central India. Indian Journal of Pediatrics, 21 March 2014 (Epub ahead of Print) PMID:24647871
2. Natalie Carvalho, Navin Thacker, Subodh S. Gupta, Joshua A. Salomon: More Evidence on the Impact of India's Conditional Cash Transfer Program, Janani Suraksha Yojana: Quasi-Experimental Evaluation of the Effects on Childhood Immunization and Other Reproductive and Child Health Outcomes. PLOS ONE 2014; 9 (10):1-13.
3. Gosavi SV, Deshmukh PR: Magnitude and correlates of Injury in Rural Wardha. Medical Journal of Armed Forces India 2014;70(4):380-382.
4. Bhalavi V, Deshmukh PR, Atram M, Mahajan B: Study of hypertension and hyperlipidemia in the adolescents of Central India. International Journal of Recent Trends in Science and Technology 2014;10(3):495-498.

2013:

1. Deshmukh P.R., Kamble P., Goswami K., Garg N. – Metabolic syndrome in rural Wardha, Central India – an exploratory factor analysis. Indian Journal of Community Medicine 2013;38(1):33-38
2. Sanjay V.Wagh, Santoshi S Wagh, Mohan M Raut, DharampalG.Dambhare, DiwakarA.Sharma – A study of Breast Feeding Practices in a Vidarbha Region of Maharashtra, India. Innovative Journal of Medical and Health Sciences 3:5 September – October (2013) 238-241.
3. Pramod Kumar Sah, Abhishek V.Raut, Chetna H.Maliye, Subodh S.Gupta, Ashok Mehendale, BishanS.Garg – Performance of village health, nutrition and sanitation committee: A qualitative study from rural Wardha, Maharashtra. The Health Agenda 2013, Vol1, Issue 4; 112-117

4. Wagh S, Mehendale AM, Raut M, Wagh S, Sharma D – Evaluation of Primary Immunization Coverage and Reasons for Partial/Non-Immunization in Maharashtra – International Journal of Current Research and Review (IJCRR).2013;5(15):66-72
5. EnakshiGanguly, BS Garg. Quality of Health Assistants in Primary Health Centre in Rural Maharashtra, India. Journal of Health Services Insights; 2013;6:9-13.
6. Deshmukh PR, Kamble P, Goswami K, Garg N. Metabolic syndrome in rural Wardha, Central India – an exploratory factor analysis. Indian Journal of Community Medicine 2013; 38(1):33-38.
7. Subodh Sharan Gupta. Restructuring of ICDS: An opportunity to focus on under-three children. The Health Agenda (Editorial) 2013 Oct; 1(4): 95-98.
8. Pramod Kumar Sah, Abhishek V Raut, Chetna H Maliye, Subodh S Gupta, Ashok M Mehendale, Bishan S Garg. Performance of village health, nutrition and sanitation committee: A qualitative study from rural Wardha, Maharashtra. The Health Agenda 2013 Oct; 1(4): 112-117

2012:

1. Dharampal G Dambhare, Sanjay V Wagh, Jayesh Y Dudhe. Age at Menarche and menstrual cycle Pattern among School Adolescent Girls in Central India. Global Journal of Health Sciences;vol 4;Issue 1; 2011.
2. Mittal Suneeta, Dhaliwal Lakhbir, Sharma Sanjeev, Chauhan Sanjay, B. S. Garg, Neeta Singh- Editorial on Infertility, Obstetrics and Gynecology International, 2012.
3. N Narula, AM Mehendale, MS Bharambe. Study on Emotional Behavior and Spirituality of Health Sciences Entrants; Vol. 17, No. (i) March 2012.
4. Heard T, Chandra A, Culora G, Gupta SS, Herbert A, Morgan M. Use of the ThinPrep Imaging System for internal quality control of cervical cytology. Cytopathology. 2012 Sep 3. doi: 10.1111/cyt.12010. [Epub ahead of print] Pubmed PMID: 22937891.
5. Boratne AV, Gupta SS, Datta SS, Mehendale AM, Garg BS. Determinants of low birth weight in rural Wardha. Indian Journal of Maternal and Child Health; Vol 14 (2), 2012
6. Dongre AR, Deshmukh PR. Farmers' suicides in Vidarbha region of Maharashtra, India: A qualitative exploration of their perspectives. Journal of Injury & Violence Research 2012; 4(1):2
7. Vigneshvar C, Dongre AR, Deshmukh PR. Epidemiology of renal stone disease among adults in a peri-urban locality of Pondicherry. Rural Medicine 2012; 1(2).
8. Kumar J, Deshmukh PR, Garg BS. Prevalence and correlates of sustained hypertension among adolescents of rural Wardha. Indian J Pediatr 2012;

- 79(9):1206-1212.
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 11. Dongre AR, Deshmukh PR. Social determinants of quality of elderly life in a rural setting of India. *Indian Journal of Palliative Care* 2012; 18(3): 181-189.
 12. Dongre AR, Deshmukh PR, Garg BS. An approach to Participatory Research and Action (PRA) to evidence based policy for child survival in rural Wardha, India. *Rural Medicine* 2012; 1(1):64-69.
 13. Heard T, Chandra A, Culora G, Gupta SS, Herbert A, Morgan M. Use of the ThinPrep Imaging System for internal quality control of cervical cytology. *Cytopathology* 2012 Sep 3. doi: 10.1111/cyt.12010. [Epub ahead of print] (PMID: 22937891).
 14. Vikash R Keshri, AV Raut, AM Mehandale, BS Garg. Knowledge and utilization regarding untied fund among village level committees in selected villages of Wardha, Maharashtra. *BMC Proceedings* 2012, 6(Suppl 1):P8 <http://www.biomedcentral.com/1753-6561/6/S1/P8>.
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 16. Ingole AN, Maliye CH, Bharambe MS, Mehendale AM, Garg BS. The Effect of Participatory School Health Promotion Model on Knowledge and Practices of Rural School Children of Wardha, Maharashtra. *J Community Med Health Educ* 2:179.
 17. JE Waghmare, Deshmukh PR, PJ Waghmare. Determination of sex from the shaft and tuberosity of radius - a multivariate discriminant function analysis. *Biomedical Research* 2012; 23(1):115-118.
 18. Deshmukh PR, Sinha N, Dongre AR. Social determinants of stunting. *Medical Journal Armed Forces India*. URL: [http://www.mjafi.net/article/S0377-1237\(12\)00246-8/fulltext](http://www.mjafi.net/article/S0377-1237(12)00246-8/fulltext)

2011:

1. Dongre AR, Deshmukh PR, Garg BS: Health needs of Ashram school students of Wardha. *Online J Health Allied Scs*. 2011;10(1):2.
2. Kumar R, Deshmukh PR, Garg BS: Incidence and correlates of “growth faltering” among children (0-6 years). *Indian J Pediatr* 2011

3. Dongre AR, Deshmukh PR, Garg BS: Health Promoting School Initiative in Ashram Schools of Wardha district. Natl Med J India. 2011 May-Jun;24(3):140-3.
4. Dongre AR, Deshmukh PR, Garg BS: Health needs of Ashram school students of Wardha. Online J Health Allied Scs. 2011;10(1):2
5. Nagrale K, Deshmukh PR, Goswamy K, Garg N: Lipid peroxidation and antioxidant status in pregnant women-A field based study. Indian Journal of Maternal & Child Health 2011;13(1).
6. Adhikary Rishi Rajat, Verma Arjun., Yadav Shashikapoor., Bagadiya Jitendra., Kumar Rakesh, Talapalliwar Manoj, ThawarePreeti., Maliye Chetna. Effect of Interpersonal Communication on feeding practices in children below 3 years in Rural Wardha. Published in Asian Student Medical Journal 9:8, 2011
7. Keshri VR, Raut AV, Mehendale AM, Garg BS. Assessment of Knowledge and utilization of untied fund provided to VHNSCs in selected villages of 5 sub centre area of PHC Anji in Wardha District. The Journal of MGIMS, Vol 16, Number (i) March 2011pp30-32.
8. Gosavi SV, Raut AV, Mehendale AM, Garg BS. ASHAS' Awareness & Perceptions about their roles & responsibilities: A study from rural Wardha. The Journal of MGIMS, Vol 16, Number (i) March 2011pp33-38.

ANNEXURE I B: CHAPTERS IN BOOKS:

1. Deshmukh PR, Dongre AR, Gupta SS, Garg BS: Newly introduced WHO growth standards: implications in large scale demographic surveys and child health programs. In "Advances in Pediatrics – Volume I". Edited by IC Verma. Published by Indian Journal of Pediatrics. 2010
2. Dongre AR, Deshmukh PR, Garg BS: An approach to hygiene education among rural Indian school going children. In "Health Education in India". Edited by S Bhaskaran & B Sumati. Published by The Icfai University Press. First edition 2008.
3. Gupta SS, Raut AV. Early Childhood Development: Maximizing the Human Potential. In "Frontiers in Social Pediatrics, 2nded". Edited by Patwari AK, Sachdev HPS. Published by JAYPEE Brothers, New Delhi 2016
4. Gupta SS, Francis PP. Infant Feeding During Diarrhea. In Bhardava K, Tiwari S, Chaturvedi P, Bang A, Agarwal RK (Ed.). Feeding Fundamentals: A handbook on Infant & Infant Child Nutrition; Published by Pedicon – 2011

ANNEXURE I C: BOOKS

1. Enakshi Ganguly, Bishan Swaroop Garg. Quality Assurance of Primary Health Care: An Indian Experience published by Lambert Academic Publishing (22 April, 2012).

ANNEXURE I D: MONOGRAPHS

1. Gupta SS. Identification of Causes of under-five deaths in health facilities in Bhutan. December 2012, UNICEF Bhutan (Monograph).
2. Gupta SS. Contributed in Operational Guidelines on Rashtriya Bal Swasthya Karyakram (RBSK): Child Health Screening and Early Intervention Services under NRHM; Published by Ministry of Health and Family Welfare, Government of India; February 2013.

ANNEXURE III: EXTRA INSTITUTIONAL ASSOCIATIONS

Journals: Editorial Boards

Dr BS Garg

- Indian Journal of Community Medicine
- Indian Journal of Community Health
- Journal of MGIMS
- PRESM Indian Journal of Community Health
- Journal of Public Health and Community Medicine
- Journal of Health Policy, Programs and Governance in India
- Indian Journal of Community and Family Medicine, AIIMS, Bhubaneswar, Orissa
- Trustee: Health for the Millions

Dr AM Mehendale

- Journal of Bio-Informatics
- Journal of MGIMS

Dr PR Deshmukh

- Journal of Clinico-Economics and Outcome Research
- Journal of Nutrition and Metabolic Insights

Societies/ Associations (only those on executive committees)

Dr BS Garg

- President, VHAI and Voluntary Health Association of Maharashtra
- Member, Governing Board, IndiaCLEN
- Member, Executive Committee for South East Asia for 'The Network Towards Unity for Health (TUFH)
- Member, Governing Board, IndiaCLEN

Dr AM Mehendale

- Joint Secretary, National Society for Prevention of Blindness, Sevagram Branch
- Vice-President Maharashtra Chapter, IAPSM

University Affiliations (Members/ Board of Studies)

Dr BS Garg

(2011-12)

- Member, Board of Studies, Pravara Medical trusts Institute of Social Medicine
- Member, PG Board of Studies, Clinical Allied-medicine Subjects, MUHS Nashik
- Member, International Interdisciplinary Advisory Board of Primafamed Ghent University of Belgium
- Member, Board of studies for MCH, Ravenshaw University, Cuttack.

Dr AM Mehendale

- Member, Research Committee, Rani Durgavati University, Jabalpur
- Member Doctoral Research Committee, DMIMS, Nagpur
- DMER Nominee for selection of faculty in Medical colleges in MP
- Member of the Faculty of Medicine, HIHT University, Dehradun, Uttarakhand, India (May 2013)
- Nodal Officer for Electoral Roll of students as per MUHS guidelines (September 2013)

Dr PR Deshmukh

- Member, Research Grant Scrutiny Committee, MUHS, Nashik

Other Committees

Dr BS Garg

2015-16

- Member, Technical Advisory Committee of RCH Division of ICMR
- Chairperson, ICMR-ICAR Task force on Zoonosis
- Member, Technical advisory group, Indian Institute of Public Health, New Delhi
- Chairperson, ICMR interagency group on 'Operational and translational research to improve the contents and delivery of existing micronutrient supplementation or other programs based on existing knowledge'
- Member, Academic Council, Kasturba Rural Institute, Indore
- Chairperson, ICMR Project Review Committee on Reproductive Health Issues in Tribal population.
- Chairperson, ICMR Project Review Committee on Improving Health of Children in Tribal area.

- Chairperson, Apex Committee for Field Units of National Institute of Research in reproductive health (ICMR-Mumbai).
- Member of National Task Force on MDG 5, Ministry of Health and Family Welfare, Government of India.

2014-15

- Member, Technical Working Group for implementation and integration of IMNCI in teaching curriculum of UG medical students in India
- Member, MCH resource group of WHO, UNICEF & UNAIDS
- Member, Committee on Curriculum on Nutrition for School children, Ministry of Women & Child Development, Government of India.
- Member, Scientific Advisory Committee, National Institute of Epidemiology, ICMR, Chennai
- Member, Scientific Advisory Committee, National Institute of Cytology & Preventive Oncology, ICMR, NOIDA
- Chairperson, ICMR interagency group on ‘Operational and translational research to improve the contents and delivery of existing micronutrient supplementation or other programs based on existing knowledge’
- Member, Academic Council, Kasturba Rural Institute, Indore

2013-14

- Member, Scientific Advisory Committee, National Institute for Research in Reproductive Health, ICMR, Mumbai
- Member, High Power Committee to review responsibilities and administration of DGHS India.

2011-12

- Member of the committee to Monitor “Malnutrition & Death”, Govt of Maharashtra
- Member, Taskforce for IMNCI in UG & PG Curriculum of MUHS

Dr AM Mehendale

- Member, Task Force, Breast Feeding Promotion Network of India, Advisory Council
- Area Coordinator, Breast Feeding Promotion Network of India, Wardha
- Member, Dr. Anandi Bai Joshi Puraskar Chayan Samiti for Wardha District
- Member, MUHS Committee for designing Curriculum for the training of Homeopathic Doctors in Medical Colleges in Maharashtra
- Member, MUHS Committee for “Village Adoption Scheme” of Maharashtra University of Health Sciences, Nashik
- Member, MUHS Review Committee for Clinical Posting during MD Community Medicine Course

Dr SS Gupta

- Member, Working group 1 under Interagency group on micronutrients on ‘Operational and translation research to improve the contents and delivery of existing micronutrient supplementation or other programmes based on existing knowledge’
- Member, DHR Sub-committee on Health System Research
- Member, National Steering Committee on Rashtriya Bal SwasthyaKaryakram
- Member, Technical Resource Group on ‘Deficiencies’; Rashtriya Bal SwasthyaKaryakram
- Member, Technical Evaluation Committee under the scheme ‘Human Resource Development for Health Research’ of the Department of Health Research
- Member, India Maternal & Child Health Expert Group for Global Burden of Disease
- Member, ICMR Project Review Committee on Intervention for prevention and management of prematurity
- Member, Technical Advisory Committee on Stillbirth, Ministry of Health and Family Welfare, Government of India

Dr PR Deshmukh

- Executive Board Member, India Clinical Epidemiology Network
- Member, Technical Advisory Group for Time and Motion study of Peripheral Health Workers in Andhra Pradesh and Telangana. Centre for Economic and Social Studies, Hyderabad
- Member, Committee to establish National Centre for Zoonosis Research, ICMR

ANNEXURE IV A - CONFERENCES ATTENDED

Dr B S Garg –

1. National Conference on Health Professions Education (NCHPE) 2014, MGIMS, Sevagram, 24-27 Sep 2014
2. WHO sponsored session on quality of care. 58th Annual National Conference of Indian Public Health Association Sri Venkateswara Medical College, Tirupati, 22-24 Jan 2014
3. Received Fellowship to attend and present a research paper titled “Prevalence and Correlates of Sustained Hypertension in Adolescents of Rural Wardha, Central India, Conference of Towards Unity for Health, Thunder Bay, Canada, 8 – 15 Oct 2012.
4. Conference of IAE and Indian Society for Malaria and Other Communicable Diseases New Delhi, 2-3 Nov 2012
5. Conference of IAPSM UP - State Chapter Jhansi, 24-25 Dec 2012

Dr AM Mehendale -

1. National Conference on Health Professions Education (NCHPE) 2014, MGIMS, Sevagram, 24-27 Sep 2014
2. Non- communicable diseases and behavioral disorders. 58th Annual National Conference of Indian Public Health Association Sri Venkateswara Medical College, Tirupati, 22-24 Jan 2014

Dr Subodh S Gupta -

1. Student and faculty preparedness for e-learning in a rural medical college in central India. The Network Towards Unity for Health Conference, Gauteng, South Africa, 12 – 16 Sep 2015.
2. National Conference on Health Professions Education (NCHPE) 2014, MGIMS, Sevagram, 24-27 Sep 2014

Dr P R Deshmukh -

1. National Conference on Health Professions Education (NCHPE) 2014, MGIMS, Sevagram, 24-27 Sep 2014

Dr Chetna Maliye -

1. National Conference on Health Professions Education (NCHPE) 2014, MGIMS, Sevagram, 24-27 Sep 2014
2. IEA World Congress of Epidemiology Edinburgh, 7-11 Aug 2011

Dr D G Dambhare -

1. National Conference on Health Professions Education (NCHPE) 2014, MGIMS, Sevagram, 24-27 Sep 2014
2. International Conference on Millennium Development Goals related to Reproductive Health: Status, Challenges and Future directions Mumbai, 18-21 Mar 2012

Mr M S Bharambe –

1. National Conference on Recent Advances in Statistics Dr Ambedkar College, Nagpur, 2-3 Dec 2011

Dr Abhishek V. Raut -

1. National Conference on Health Professions Education (NCHPE) 2014, MGIMS, Sevagram, 24-27 Sep 2014

Dr Ranjan Solanki -

1. International Geriatric Conference, Nagpur 8-9 Nov 2014.
2. National Conference on Health Professions Education CMC, Vellore, 12-

13 Sep 2011

Dr Ashwini Kalantri -

1. National Conference on Health Professions Education (NCHPE) 2014, MGIMS, Sevagram, 24-27 Sep 2014
2. 40th Annual National Conference of the IAPSM & Joint State Conference of the IPHA & IAPSM, Maharashtra Chapter, Nagpur, 22-24 Jan 2013
3. Student and faculty preparedness for e-learning in a rural medical college in central India The Network Towards Unity for Health Conference, Gauteng, South Africa, 12 – 16 Sep 2015

ANNEXURE IV B - COURSES ATTENDED

Dr B S Garg –

1. Demonstration course on Indian adaptation package ‘Caring for the child’s healthy growth and development, MGIMS, Sevagram, 10-14 Sep 2011

Dr P R Deshmukh-

1. Fifth Fogarty International Training Course in Methods for Non-Communicable Diseases Research” Graduate School of Public Health, University of Pittsburgh & SHARE India, Hyderabad, 8-12 Mar 2016
2. Fourth Fogarty international Training Course in Methods for Non-Communicable Diseases Research. (*Resource person*) Graduate School of Public Health, University of Pittsburgh & SHARE India, Hyderabad 2-7 Feb 2015

Dr ChetnaMaliye –

1. Demonstration course on Indian adaptation package ‘Caring for the child’s healthy growth and development’, MGIMS, Sevagram, 10-14 Sep 2011
2. WHO Fellowship Training Programme Amsterdam, Netherlands, 31 Oct – 25 Nov 2011

Mr P V Bahulekar –

1. Demonstration course on Indian adaptation package ‘Caring for the child’s healthy growth and development’, MGIMS, Sevagram, 10-14 Sep 2011

Dr Abhishek V. Raut–

1. Demonstration course on Indian adaptation package ‘Caring for the child’s healthy growth and development’, MGIMS, Sevagram, 10-14 Sep 2011

Dr Ranjan Solanki –

1. Demonstration course on Indian adaptation package ‘Caring for the child’s healthy growth and development’, MGIMS, Sevagram, 10-14 Sep 2011

ANNEXURE IV C - WORKSHOPS ATTENDED

Dr B S Garg

1. Workshop for Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District: Responding to community and systems factors in the prevention of non-communicable diseases: a concept mapping workshop in Wardha District, India, MGIMS, Sevagram and EpiGH, Umea University, Sweden, MGIMS, Sevagram, 17-19 Feb 2014
2. Investigators Meeting Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled study to evaluate the efficacy and safety of live attenuated Bovine-Human Rotavirus Reassortant Pentavalent Vaccine (BRV-PV) Against Severe Rotavirus Gastroenteritis In Healthy Indian Infants, Goa, 17-21 Sep 2013
3. Workshop on framework for Commission on Information and Accountability for Reproductive Health, WHO, Bangkok, Thailand, 24 – 25 Sep 2012
4. 11th International Rotavirus Symposium New Delhi, 3-5 Sep 2014

Dr A M Mehendale

1. National Planning Workshop on Training of Trainers under National Vector-Borne Disease Control Programme at National Institute of Health and Family Welfare, New Delhi, 27-28 May 2011
2. Workshop for Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District: Responding to community and systems factors in the prevention of non-communicable diseases: a concept mapping workshop in Wardha District, India, MGIMS, Sevagram and EpiGH, Umea University, Sweden, MGIMS, Sevagram, 17-19 Feb 2014
3. Orientation Programme on Rajiv Gandhi Jeevodaya Arogya Yojana, Arogya Bhavan, St. Georges Hospital, Mumbai, 19-20 Nov 2013

Dr Subodh S Gupta

1. Workshop for Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District: Responding to community and systems factors in the prevention of non-communicable diseases: a

concept mapping workshop in Wardha District, India, MGIMS, Sevagram and EpiGH, Umea University, Sweden, MGIMS, Sevagram, 17-19 Feb 2014

Dr P R Deshmukh

1. Workshop for Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District: Responding to community and systems factors in the prevention of non-communicable diseases: a concept mapping workshop in Wardha District, India, MGIMS, Sevagram and EpiGH, Umea University, Sweden, MGIMS, Sevagram, 17-19 Feb 2014
2. Training of Rotavirus project, New Delhi, 16 - 18 Jan 2012
3. Workshop for identifying multi-sectoral priority actions for Nutrition related to NCDs in India AIIMS, New Delhi, 23-24 May 2013.

Dr Chetna Maliye

1. Workshop for Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District: Responding to community and systems factors in the prevention of non-communicable diseases: a concept mapping workshop in Wardha District, India, MGIMS, Sevagram and EpiGH, Umea University, Sweden, MGIMS, Sevagram, 17-19 Feb 2014.
2. Meeting of Investigators for ICMR Study on “Surveillance of Neonatal Infections” ICMR, New Delhi, 5 Jul 2012 Meeting of ICATT Kalawati Saran Children’s Hospital, New Delhi, 17 Apr 2012
3. Training of Rotavirus project, New Delhi, 16 - 18 Jan 2012

Dr D G Damhare

1. Workshop on Screening and Dietary Management of NCDs Sevagram, 29 Sep 2011
2. Workshop on Scope and Application of Anthropometric methods in present day Research Sevagram, 18 Nov 2011
3. CME & Workshop on Basic Trauma Care MGIMS, Sevagram, 10-11 Mar 2012.
4. Workshop on Current Concepts and Latest Trends in Caesarean Section (Skill, Will and Drill) MGIMS, Sevagram, Wardha, 28 Mar 2014

Mr M S Bharambe

1. Workshop for Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District: Responding to community and systems factors in the prevention of non-communicable diseases: a

concept mapping workshop in Wardha District, India, MGIMS, Sevagram and EpiGH, Umea University, Sweden, MGIMS, Sevagram, 17-19 Feb 2014

Dr Abhishek V Raut

1. 6th National Capacity Development Workshop for District Level Managers on Child Health Planning, PGIMER, Chandigarh, 14-19 Nov 2011
2. Investigators meeting for Prospective observational study of Rota virus Infection New Delhi, 16 – 18 Jan 2012
3. SIDA NCD workshop MGIMS, Sevagram, 13 – 14 Mar 2013
4. Workshop for Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District: Responding to community and systems factors in the prevention of non-communicable diseases: a concept mapping workshop in Wardha District, India, MGIMS, Sevagram and EpiGH, Umea University, Sweden, MGIMS, Sevagram, 17-19 Feb 2014.
5. Investigators Meeting Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study To Evaluate The Efficacy And Safety Of Live Attenuated Bovine-Human Rotavirus Reassortant Pentavalent Vaccine (BRV-PV) Against Severe Rotavirus Gastroenteritis In Healthy Indian Infants, Goa, 17-21 September 2013.
6. Public Health Practice workshop, SEARCH, Gadchiroli, 25-28 Nov 2013.
7. One Health Tool training workshop, WHO-SEARO regional office, New Delhi, 8-11 Jul 2014.
8. 11th International Rotavirus Symposium New Delhi, 3-5 Sep 2014
9. Training of Rotavirus project, New Delhi, 16 - 18 Jan 2012

Dr Ranjan Solanki

1. 14th Workshop on Biomedical Informatics Bioinformatics Centre, JBTDRC, MGIMS, Sevagram, 5-6 Dec 2011
2. Regional Networking Meeting of WHO Collaborative Centers in RH/MNH and Regional and Country Offices New Delhi, 16-17 Feb 2012
3. Teaching Curriculum workshop on Case studies of Innovations in Maternal and Child Health PHFI, New Delhi, 30-31 July 2012
4. Workshop on Infant young child feeding Yashada, Pune, 22-23 Dec 2012
5. International workshop on Global Mental Health Assessment tool (GMHAT) JNMC, Sawangi, 11–13 Feb 2013.
6. Investigators Meeting Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study To Evaluate The Efficacy And Safety Of Live Attenuated Bovine-Human Rotavirus Reassortant Pentavalent Vaccine

- (BRV-PV) Against Severe Rotavirus Gastroenteritis In Healthy Indian Infants, Goa, 17-21 September 2013.
7. International Workshop on ‘‘Global Leadership in Mental Health’ Sangath Foundation and London School of Tropical Medicine, Goa, 19-29 Nov 2013.
 8. De addiction in Clinical Practices, IMA, Nagpur, 6 Oct 2013.

Dr Manish Taywade

1. Investigators Meeting Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study To Evaluate The Efficacy And Safety Of Live Attenuated Bovine-Human Rotavirus Reassortant Pentavalent Vaccine (BRV-PV) Against Severe Rotavirus gastroenteritis In Healthy Indian Infants, Goa, 17-21 September 2013.
2. Intensive Interacting Training Program and Seminar on Prevention and Control of Noncommunicable diseases Madras Diabetic Research Foundation, Chennai, 29 Jan – 3 Feb 2014

Mr P V Bahulekar

1. Workshop for Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District: Responding to community and systems factors in the prevention of non-communicable diseases: a concept mapping workshop in Wardha District, India, MGIMS, Sevagram and EpiGH, Umea University, Sweden, MGIMS, Sevagram, 17-19 Feb 2014

ANNEXURE IV D - MEU WORKSHOPS ATTENDED

Dr B S Garg

1. Meeting on Value Based Health Services. Medical Education Department, Government of Madhya Pradesh, Indore, 1 Mar 2015

Dr A M Mehendale –

2. Revised Basic Course in Medical Education Technology (ATCOM module) MCI nodal centre, JNMC, SawangiMeghe, Wardha, 21-23 Jan 2016

Dr Subodh S Gupta –

1. MOOC on Problem based learning: Principles and design Maastricht University, 5 Oct- 5 Dec 2015
2. Teaching with Moodle: An Introduction (Awarded ‘‘International Moodle

Completer Certificate Badge) Course run by Moodle, Moodle Headquarters

3. 14th Basic Workshop on Medical Education. MCI Nodal Centre for Medical Education, JNMC Sawangi, 24-26 Mar 2015

Dr ChetnaMaliye –

3. PSG-FAIMER Fellowship Programme PSG FAIMER Regional Institute, Coimbatore, 14-20 Apr 2012
4. PSG-FAIMER Fellowship session PSG-FAIMER Regional Institute, Coimbatore, 7 – 11 Apr 2011

Dr Abhishek V. Raut

1. 1st contact workshop of MCI Fellowship in Medical Education (FIME) MCI Nodal Center for National Faculty Development, Jawaharlal Nehru Medical College, Sawangi (M), Wardha, 1-5 Mar 2016
2. MOOC on Problem based learning: Principles and design Maastricht University, 5 Oct- 5 Dec 2015
3. Teaching with Moodle: An Introduction (Awarded “International Moodle Completer Certificate Badge) Course run by Moodle, Moodle Headquarters Aug 2015
4. 68th National Course on Educational Science for Teachers of Health Professionals JIPMER, Puducherry, 20 Feb -1 Mar 2014.

Dr Ranjan Solanki –

2. 8th Basic Workshop in Medical Education Technology Nodal Centre, JNMC, Sawangi, 27-29 Mar 2012.
3. Role of Technology in Medical education JNMC, Sawangi, 26 Feb 2015

ANNEXURE IV E : RESEARCH METHODOLOGY WORKSHOPS

Dr Abhishek V. Raut –

1. Leadership and Management Program (LAMP) The INCLIN Trust International, New Delhi, 16-28 Nov 2015
2. Advanced Course in Health Research Methodology, St. John’s Medical College and Research Institute, Bengaluru, 3-15 Sep 2012
3. CDSA-NIH Joint Course on Principles and Practices of Clinical research New Delhi, 29 Oct-3 Nov 2012

ANNEXURE V: AWARDS AND RECOGNITION

Recognition to department

- WHO Collaborative Centre for research and training in community based maternal, newborn and child health from 15 Jul 2009
- Approved as an Advance center for community based research in Maternal, Newborn, Child health and Nutrition (MNCHN) research by the Indian Council of Medical research (ICMR).
- ‘Global Safe Motherhood Award’ in 2001 by The White Ribbon Alliance for Safe Motherhood, USA for ‘*SurakshaAaichiMohim*’ (Safe Motherhood Campaign)

Recognition to faculty members

Dr BS Garg

- Appointed as Member of Advisory Council of IIPH New Delhi.
- Appointed as Expert member of Child Health and Nutrition Knowledge Network (CHNKN).
- Dr. MrunaliniPathak Memorial Oration at Joint Annual Conference of IPHA (Maharashtra Branch) & IAPSM (Maharashtra Chapter) on 11-12th February 2011.
- Received Fellowship to attend and present a research paper titled “Prevalence and Correlates of Sustained Hypertension in Adolescents of Rural Wardha, Central India, Conference of Towards Unity for Health, Thunder Bay, Canada, 8 – 15 Oct 2012.
- Awarded Indian Epidemiological Association Oration delivered at Goa on 10th October 2014.

Dr Subodh S Gupta

- Received Fellowship to attend and conduct mini-workshop on ‘Best practices in Community-based Medical Education’ during the Network Conference of Towards Unity for Health, Fortaleza, Brazil, Nov 2014.

Dr ChetnaMaliye

- Recipient of WHO Fellowship for the year 2011 for Control strategies of Communicable and Non-Communicable Diseases at the Royal tropical Institute, Amsterdam, The Netherlands.
- Received a Special Bursary Sponsored by the Centre for Population and Health Sciences, UK to attend the IEA World Congress of Epidemiology, Edinburgh, Scotland, 7-11 Aug 2011.

Recognition to Post-graduate students

Dr. ManojTalapalliwar -

- Dr. MV Kulkarni best research paper award on “Maternal and child health” for research paper titled “Prevalence of morbidity among the tribal children from Melghat, Maharashtra” at Joint Annual Conference of Indian Association of Public Health (IPHA) Maharashtra branch and Indian Association of Preventive and Social Medicine (IAPSM) Maharashtra chapter held on 11th -12th February 2011 at Mahatma Gandhi Institute of Medical Sciences, Sevagram, Wardha (MS).

Dr. VikashKesri

- Received scholarship from Maternal Health Task force (Harvard School of Public Health) to attend and present research paper titled “Operational Barriers in Providing Quality Emergency Obstetrics Care Services by Task Shifting of Basic Doctors in India” in the Global Maternal Health Conference, Arusha, Tanzania from 15 to 17th January 2013.

Dr. AshwiniKalantri

- Best Poster Award for a study titled “A feasibility study of Short Messaging Service as a mode of health education in rural Indian population” at Pune Public Health Conference, Pune, 25-26 Feb 2014.

Dr. Charles Minz and Dr. Karthiyayani,

- Received sponsorship from Ben Gurion University, Beer Sheva, Israel for Global Health Program (1st July to 28th July 2014).

Dr. Swati Jarole and Dr. AnujMundra

- Received sponsorship from Ben Gurion University, Beer Sheva, Israel for Global Health Program (5th July to 31st July 2015)

Recognition to Undergraduate students

Ms. Radhika Vellore (2009 batch)

- Received sponsorship from Ben Gurion University, Beer Sheva, Israel for Global Health Program (5th July to 31st July 2015)

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

2010 - 11

(1) Title and Theme: Key issues in Maternal and Neonatal health in Maharashtra for VHAM member organizations

Organizing Secretary: Dr. BS Garg

Date: 4th & 5th April, 2010

Number of Delegates: 10

Resource Persons: Dr. BS Garg, Dr. SS Gupta, Dr. Manoj Talapalliwar, Dr. Manish Taywade, Dr. Rakesh Kumar, Dr. Vikas Kesri

(2) Title and Theme: Data Analysis using EPI_Info (window Version)

Organizing Secretary: Dr. PR Deshmukh

Date: 19-23 July 2010.

Number of Delegates: 11

Resource Persons: Dr. PR Deshmukh, MS Bharambe, Chetna Maliye

(3) Title and Theme: Methods in Health Research

Organizing Secretary: Dr. PR Deshmukh

Date: 9-13 August 2010

Number of Delegates: 26

Resource Persons: Dr. Pradeep Deshmukh, Dr. Amol Dongre, PV Bahulekar, Dr. Chetna Maliye

(4) Title and Theme: Workshop for Bihar cadre Medical officers on “Integrated Disease Surveillance Programme

Organizing Secretary: Dr. BS Garg

Date: 23-28 August 2010.

Number of Delegates: 18

Resource Persons: Dr. BS Garg, Dr. AM Mehendale, Dr. PR Deshmukh, Dr. Chetna Maliye, dr. Abhishek Raut

(5) Title and Theme: Workshop for Bihar cadre Medical officers on “Integrated Disease Surveillance Programme

Organizing Secretary: Dr. BS Garg

Date: 20-25 Sept. 2010.

Number of Delegates: 10

Resource Persons: Dr. BS Garg, Dr. AM Mehendale, Dr. PR Deshmukh, Dr. Chetna Maliye, dr. Abhishek Raut, Dr. Ranjan Solanki

(6) Title and Theme: series of 4 training programmes for ASHA workers form Wardha Block on ASHA’s Module No 2

Date: (17-20 Aug, 23-26 Aug, 30 Aug- 2 Sept, and 3-6 Sept)

Number of Delegates: 27/29/25/18

Resource Persons: PV Bahulekar, Pravin Bhusari, Alka Kakde, Vinod Yenurkar, Chanda Bhondwe

(7) Title and Theme: Data Analysis using EPI_Info 2000

Organizing Secretary:

Date: 8th -12th Nov. 2010

Number of Delegates: 20

Resource Persons: Dr. PR Deshmukh, MS Bharambe, Chetna Maliye

(8) Title and Theme: Collaborative Orientation program on PCPNDT act in collaboration with SHSRC, Pune.

Date: on 23rd Nov. 2010

(9) Title and Theme: Comprehensive Abortion care work shop

Date: 5th Oct. 2010

(10) Title and Theme: Training of trainers (TOT) program for Medical officers from District health System on new born care

Organizing Secretary: PV Bahulekar

Date: 26-27 Oct. 2010

Number of Delegates: 27

Resource Persons: PV Bahulekar, Dr. Manish Jain, Dr. Chetna Maliye

(11) Title and Theme: Basic Epidemiology- Study design options”

Organizing Secretary: Dr. PR Deshmukh

Date: 20th -24th Dec. 2010

Resource Persons: Dr. PR Deshmukh, MS Bharambe, Chetna Maliye

(12) Title and Theme: Two training workshop for Bihar cadre Medical Officer/Surveillance officer on IDSP

Organizing Secretary: Dr. BS Garg

Date: 11-16 Nov and 13-18 Dec 2010

Number of Delegates: 8/7

Resource Persons: Dr. BS Garg, Dr. AM Mehendale, Dr. PR Deshmukh, Dr. Chetna Maliye, dr. Abhishek Raut, Dr. Ranjan Solanki

(13) Title and Theme: Four training workshop for ASHA workers from Anji, Talegaon and Kharangna Gode PHC on New born care

Organizing Secretary: PV Bahulekar

Date: 13-16 Dec, 20-21 Dec., 9-10 Dec., 13-16 Dec.

Resource Persons: PV Bahulekar, Pravin Bhusari, Alka kakde, Vinod yenurkar

(14) Title and Theme: Workshop on data Analysis using EPI_Info 2000

Organizing Secretary: Dr. PR Deshmukh

Date: 24th – 28th Jan. 2011

(15) Title and Theme: Meeting on Maternal Morbidity and Mortality in Maharashtra in collaboration with UNFPA, Mumbai.

Date: 24- 25th January, 2011

Number of Delegates: 29

(16) Title and Theme: Pre conference workshop on Regression Analysis

Date: 10th Feb. 2011

Number of Delegates: 25

Resource Persons: Dr. PR Deshmukh

(17) Title and Theme: Pre conference workshop on Survival Analysis

Date: 10th Feb. 2011

Number of Delegates: 25

Resource Persons: Dr. Umesh Sharma, Dr. Subodh S Gupta

(18) Title and Theme: Joint Annual Conference of IPHA-IAPSM state conference 2011 on the theme “Mainstreaming Chronic & Non Communicable Diseases in Public Health Agenda”

Organizing Secretary: Dr. BS Garg

Date: on 10-12 Feb. 2011

(19) Title and Theme: symposium on:

- Gender Mainstreaming in Medical Education & Research
- An Update on RNTCP with emphasis on MDR-TB & DOTS- +
- Mainstreaming Chronic & Non Communicable Diseases in Public Health Agenda.
- National Rural Health Mission.
- Orientation of the Teachers of Community Medicine/Preventive Medicine on Nav Jaat Shishu Suraksha Karyakram (NSSK).
- National Vector Borne Disease Control Program.
- Health (Maternal & New Born) of the Urban Poor.
- Update on HIV/AIDS

Organizing Secretary: Dr. BS Garg

Date: 11-12 Feb. 2011

(20) Title and Theme: Four training workshop for ASHA workers from Wardha District on Module No. 3

Date: 7- 24th March, 2011

Number of Delegates: 27/30/25/29 = 111

Resource Persons: Mr. PV Bahulekar, Mr. Praveen Bhusari, Mr. Vinod Yenurkar, Ms. Alka

(21) Title and Theme: intern's Orientation Program on Revised National Tuberculosis Control Program

Date: 11th March, 2011.

(22) Title and Theme: Comprehensive Abortion care work shop for Interns

Date: on 13th March 2011

Resource Persons: Dr. Poonam Shivkumar,

(23) Title and Theme: Workshop for Bihar cadre Medical officers on "Integrated Disease Surveillance Programme

Organizing Secretary: Dr. BS Garg

Date: 31st Jan-5 Feb 2011

Number of Delegates: 29

Resource Persons: Dr. PR Deshmukh, Dr. Ranjit Sinha, Dr. Madhumita Mukherjee, Dr. Rakesh Kumar

(24) Title and Theme: Workshop for Bihar cadre Medical officers on "Integrated Disease Surveillance Programme

Organizing Secretary: Dr. BS Garg

Date: 13-18 March 2011

Number of Delegates: 30

Resource Persons: Dr. Chetna Maliye, Dr. Ranjit Sinha, Dr. Madhumita Mukherjee, Dr. manoj Talapaliwar

2011 - 12

(1) Title and Theme: Workshop for Bihar Cadre Medical officers on "Integrated Disease Surveillance Programme" at Patna

Organizing Secretary: Dr. BS Garg

Date: 4 – 9 April 2011

Number of Delegates: 25

Resource Persons: Dr. Abhishek Raut, Dr. Manish Taywade

(2) Title and Theme: Development of Guidelines on Prevention and management of Infertility in the Primary Health care system.

Organizing Secretary: Dr. BS Garg

Date: 5 July 2011

Number of Delegates: 15

Resource Persons: Dr. S Chauhan, Dr. Sunita Mittal & Dr. Lakhbir Dhaliwal

(3) Title and Theme: Review meeting of Sentinel Surveillance unit under National Program for Control of Blindness (NPCB)

Organizing Secretary: Dr. AM Mehendale

Date: 6 August 2011

Number of Delegates: 10

Resource Persons: Dr. AS Rathore (ADG, NPCB, GOI), Dr. AK Shukla, Dr. AM Mehendale, Dr. Mrs. SS Shukla, Mr. MS Bharambe

(4) Title and Theme: Training of Trainers in NVBDCP for the faculty of Medical colleges in Maharashtra & Goa

Organizing Secretary: Dr. AM Mehendale

Date: 6 August 2011

Number of Delegates: 10

Resource Persons: Dr PL Joshi, Dr BN Nagpal, Dr Ashutosh Biswas, Dr Hoti, Dr Anup Anwikar, Dr SK Chaturvedi, Dr. AM Mehendale

(5) Title and Theme: Qualitative Methods in Health Research

Organizing Secretary: Dr. PR Deshmukh

Date: 16-20 August 2011

Number of Delegates: 30

Resource Persons: Dr. Pradeep Deshmukh, Dr. Amol Dongre, PV Bahulekar, Dr. Chetna Maliye

(6) Title and Theme: Demonstration course on Indian Adaptation Package “Caring for the Child’s Healthy Growth & Development”

Organizing Secretary: DR.BS Garg

Date: 9-14 Sep 2011

Number of Delegates: 22

Resource Persons: Dr. Jane Lucas, Dr. Meena Cabral de Mello, Dr. Subodh Gupta

(7) Title and Theme: Comprehensive Abortion care work shop

Organizing Secretary: DR.AM Mehendale

Date: 19 – 23 Sep. 2011

Number of Delegates: 20

Resource Persons: Dr. A.M. Mehendale, Dr. Poonam Shivkumar Verma, Dr Surekha Tayade, Dr Suchi Jain, Dr Pramod Kumar, Dr. D.G. Dambhare

(8) Title and Theme: Demonstration course on Indian Adaptation Package “Caring for the Child’s Healthy Growth & Development”

Organizing Secretary: DR.BS Garg

Date: 14 – 18 Nov. 2011

Number of Delegates: 20

Resource Persons: Dr. BS Garg, Dr SS Gupta, Mr. PV Bahulekar, Dr. Abhishek Raut, Dr. Manish Jain, Dr. Himani Shemar, Dr. Manish Taywade, Dr. Shanta Gopalkrishnan

(9) Title and Theme: Workshop on Data Analysis using EPI_Info 2000

Organizing Secretary: Mr. MS Bharambe

Date: 8 – 10 Dec. 2011

Number of Delegates: 20

Resource Persons: Mr. MS Bharambe, Dr. Chetna Maliye

(10) Title and Theme: Basic Epidemiology- Study Design options”

Organizing Secretary: Dr. PR Deshmukh

Date: 26 – 30 Dec. 2011

Number of Delegates: 30

Resource Persons: Dr. PR Deshmukh, MS Bharambe, Dr. Chetna Maliye

(11) Title and Theme: Series of 5 training programmes for ASHA workers form Wardha Block on ASHA’s Module No 4

Organizing Secretary: Mr. PV Bahulekar

Date: (7-10 Dec, 12-15 Dec, 16-19 Dec, 20-23 Dec 2011, 10-13 Jan 2012)

Number of Delegates: 32/24/29/30/42

Resource Persons: PV Bahulekar, Dr. Abhishek Raut, Pravin Bhusari, Alka Kakde, Vinod Yenurkar

(12) Title and Theme: Orientation program for Village Health Nutrition Sanitation Committee Members

Organizing Secretary: Dr. Abhishek Raut, Mr. Pravin Bhusari

Date: 17 Sep 2011, 16 Feb 2012, 18 Feb 2012

Number of Delegates: 24/26/19

Resource Persons: Dr. Abhishek Raut, Mr. PV Bahulekar, Mr. Pravin Bhusari, Mr. Vinod Yenurkar

(13) Title and Theme: Training program for Rotavirus Project Staff

Organizing Secretary: Dr. PR Deshmukh

Date: 2 – 7th January 2012

Number of Delegates: 20

Resource Persons: Dr. BS Garg, Dr. PR Deshmukh, Mr. MS Bharambe, Mr. PV Bahulekar, Dr. Abhishek Raut, Dr. Ranjan Solanki, Dr. Manish Taywade

(14) Title and Theme: Site Initiation Visit - Training program for Rotavirus Project Staff

Organizing Secretary: Dr. PR Deshmukh

Date: 20 – 21 February 2012

Number of Delegates: 20

Resource Persons: Dr. BS Garg, Dr. Georges Thiry, Dr. Maureen Power, Dr. Neeraj Rathi, Dr. Sajjad Desai, Dr. Preety Shah, Gracy Gompana, Dr. Anshu Singh, Dr. PR Deshmukh, Dr. Chetna Maliye

(15) Title and Theme: Orientation Training program for AWW/ASHA/ANM/ICDS Supervisor on Care for Child Development

Organizing Secretary: Dr. BS Garg, Dr. Chetna Maliye

Date: 16th March 2012

Number of Delegates: 35

Resource Persons: Dr. BS Garg, Dr. Chetna Maliye, Mr. PV Bahulekar, Dr. Abhishek Raut, Dr. Manish Taywade, Dr. Himani Shemar, Dr. Takshashila Taksande, Dr. Veena Gabhane & CCD staff

(16) Title and Theme: Expert Group Meet to revise curriculum of LSAS Training to Medical officers under RCH-II

Organizing Secretary: Dr. BS Garg

Date: 17-18 March 2012

Number of Delegates: 23

Resource Persons: Dr. Himanshu Bhushan, Dr. BS Garg, Dr. Indu Chaddha, Dr. Manju Sarkar, Dr. Vidya Madgaonkar

(17) Title and Theme: CME on RNTCP (Five CME's)

Organizing Secretary: Dr. AM Mehendale

Date: 6/23/28/29/30 March 2012

Number of Delegates: 300

Resource Persons: Dr RN Deshmukh, Dr Neelam Somalkar, Dr. Sejal De

2012 - 13

(1) Title and Theme: District Advocacy meeting for Care for child Development project

Organizing Secretary: Dr. BS Garg

Date: 16 July 2012

Number of Delegates: 30

Resource Persons: Dr. BS Garg, Dr. Subodh Gupta, Dr. Chetna Maliye, Dr. Abhishek Raut, Mr. PV Bahulekar

(2) Title and Theme: State Advocacy meeting for Care for child Development project

Organizing Secretary: Dr. BS Garg

Date: 25 July 2012

Number of Delegates: 35

Resource Persons: Dr. Subodh Gupta, Dr. Chetna Maliye, Dr. Abhishek Raut

(3) Title and Theme: Training of ASHA on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 24-27 July 2012

Number of Delegates: 25

Resource Persons: Dr. Chetna Maliye, ECD project team members

(4) Title and Theme: Training of ASHA on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 28-31 July 2012

Number of Delegates: 54

Resource Persons: Dr. Chetna Maliye, ECD project team members

(5) Title and Theme: Research methodology Workshop for Post-graduate students

Organizing Secretary: Dr. BS Garg

Date: 6 – 11 August 2012 & 17 – 24 September 2012

Number of Delegates: 40

Resource Persons: Dr. BS Garg, Dr. PR Deshmukh, Mr. MS Bharambe, Dr. Chetna Maliye

(6) Title and Theme: Training program for phase III, ROTA virus vaccine trial

Organizing Secretary: Dr. BS Garg

Date: 27 – 28 December 2012

Number of Delegates: 15

Resource Persons: Dr. BS Garg, Dr. PR Deshmukh, Dr. Abhishek Raut

(7) Title and Theme: Training of ASHA

Organizing Secretary: Dr. BS Garg

Date: 26 – 29 September 2012

Number of Delegates: 27

Resource Persons: Mr. PV Bahulekar, Mr. Vinod Yenukar, Mrs. Tejeshree Khamankar

- (8) Title and Theme:** Training of ASHA
Organizing Secretary: Dr. BS Garg
Date: 3 – 6 October 2012
Number of Delegates: 28
Resource Persons: Mr. PV Bahulekar, Mr. Pravin Bhusari, Mrs. Alka Kakade
- (9) Title and Theme:** Training of ASHA
Organizing Secretary: Dr. BS Garg
Date: 9 – 12 October 2012
Number of Delegates: 26
Resource Persons: Mr. PV Bahulekar, Mr. Pravin Bhusari, Mrs. Shubhangi Patil
- (10) Title and Theme:** NVBDCP Workshop
Organizing Secretary: Dr. AM Mehendale
Date: 7 – 11 January 2013
Number of Delegates: 30
Resource Persons: Dr. PL Joshi, Dr. BN Nagpal, Dr. AM Mehendale
- (11) Title and Theme:** Training of AWW on Care for Child Development
Organizing Secretary: Dr. BS Garg
Date: 4 February 2013
Number of Delegates: 27
Resource Persons: Dr. Subodh Gupta, Mr. PV Bahulekar, Dr. Chetna Maliye, ECD project team members
- (12) Title and Theme:** Training of AWW on Care for Child Development
Organizing Secretary: Dr. BS Garg
Date: 7 - 9 February 2013
Number of Delegates: 29
Resource Persons: Dr. Subodh Gupta, Mr. PV Bahulekar, Dr. Chetna Maliye, ECD project team members
- (13) Title and Theme:** Training of AWW on Care for Child Development
Organizing Secretary: Dr. BS Garg
Date: 11 - 13 February 2013
Number of Delegates: 27
Resource Persons: Dr. Subodh Gupta, Mr. PV Bahulekar, Dr. Chetna Maliye, ECD project team members
- (14) Title and Theme:** Non-Communicable Diseases Intervention in India & Sweden

Organizing Secretary: Dr. BS Garg

Date: 13 - 14 February 2013

Number of Delegates: 10

Resource Persons: Dr. Miguel, Dr. Navi, Dr. BS Garg, Dr. Anand Krishnan

(15) Title and Theme: Training of ASHA on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 14 - 16 February 2013

Number of Delegates: 27

Resource Persons: Dr. Subodh Gupta, Mr. PV Bahulekar, Dr. Chetna Maliye, ECD project team members

(16) Title and Theme: Training of AWW on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 18 - 20 February 2013

Number of Delegates: 33

Resource Persons: Dr. Subodh Gupta, Mr. PV Bahulekar, Dr. Chetna Maliye, ECD project team members

(17) Title and Theme: Training of AWW on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 25 - 27 February 2013

Number of Delegates: 31

Resource Persons: Dr. Subodh Gupta, Dr. Chetna Maliye, Dr. Abhishek Raut, ECD project team members

(18) Title and Theme: Training of ASHA on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 4 - 6 March 2013

Number of Delegates: 37

Resource Persons: Dr. Subodh Gupta, Dr. Chetna Maliye, Dr. Abhishek Raut, ECD project team members

(19) Title and Theme: CME on RNTCP

Organizing Secretary: Dr. AM Mehendale

Date: 6/22/24/29/30 March 2013 (Five CME's)

Number of Delegates: 300

Resource Persons: Dr. RN Deshmukh, Dr. Neelam Somalkar, Dr. AM Mehendale, Dr. Sejal De

2013 - 14

(1) Title and Theme: District Advocacy meeting for Care for child Development project

Organizing Secretary: Dr. BS Garg

Date: 15 October 2013

Number of Delegates: 15

Resource Persons: Dr. BS Garg, Dr. Subodh Gupta

(2) Title and Theme: Training of ICDS Supervisors & ASHA Facilitators on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 15-17 July 2013

Number of Delegates: 11

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar and ECD project team members

(3) Title and Theme: Refresher training for AWWs & ASHA workers on Care for Child Development **Organizing Secretary:** Dr. BS Garg

Date: 4-16 September 2013

Number of Delegates: 258 (143 AWWs & 115 ASHAs)

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar and ECD project team members

(4) Title and Theme: Research methodology Workshop for Post-graduate students

Organizing Secretary: Dr. BS Garg

Date: 26th – 31st Aug 2013

Number of Delegates: 25

Resource Persons: Dr. BS Garg, Dr. Subodh Gupta, Dr. PR Deshmukh, Mr. MS Bharambe, Dr. Chetna Maliye

(5) Title and Theme: Training program for phase III, ROTA virus vaccine trial

Organizing Secretary: Dr. BS Garg

Date: 26th – 28th Aug 2013

Number of Delegates: 30

Resource Persons: Dr. BS Garg, Dr. Subodh S Gupta, Dr. Chetna Maliye, Dr. Abhishek Raut

(6) Title and Theme: Training of AWW and ICDS supervisor on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 14-17 November 2013

Number of Delegates: 51

Resource Persons: Dr. Subodh Gupta, Mr. PV Bahulekar, Dr. Chetna Maliye, ECD project team members

(7) Title and Theme: Refresher training of AWW and ICDS supervisor on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 18 December 2013

Number of Delegates: 48

Resource Persons: Dr. Subodh Gupta, Mr. PV Bahulekar, Dr. Chetna Maliye, ECD project team members

(8) Title and Theme: Inter-Sectoral Collaboration for the control of Non Communicable Diseases in Wardha District –Responding to community and systems factors in the prevention of non-communicable diseases: a concept mapping workshop in Wardha District, India, Jointly organized by MGIMS, Sevagram and EpiGH, Umea University, Sweden.

Organizing Secretary: Dr. BS Garg

Date: 17 – 19 Feb 2014

Number of Delegates: 30

Resource Persons: Dr Miguel Sebastian, Dr Nawi N G, Ms Alison Hernandez, Dr. BS Garg

(9) Title and Theme: CME on RNTCP

Organizing Secretary: Dr. AM Mehendale

Date: 25 Jan 2014

Number of Delegates: 70

Resource Persons: Dr. AM Mehendale, Dr. Sejal De, Dr. Ranjan Solanki

(10) Title and Theme: CME on RNTCP

Organizing Secretary: Dr. AM Mehendale

Date: 11 March 2014

Number of Delegates: 65

Resource Persons: Dr. AM Mehendale, Dr. Sejal De, Dr. PR Deshmukh, Dr. DG Damhare

2014 - 15

(1) Title and Theme: Training program for phase III, ROTA virus vaccine trial

Organizing Secretary: Dr. BS Garg

Date: 6 – 8 May 2014

Number of Delegates: 80

Resource Persons: Dr. Sajjad Desai, Dr. Maureen Power, Dr. Alan Fix, Dr. Soumya Hazra, Staff of Diagno Search, Mumbai and Serum Institute of India Limited, Pune

(2) Title and Theme: Refresher Training of AWW & ASHA Facilitators on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 6, 9 and 10 June 2014, 16, 17 and 18 October 2014 (6 trainings at Anji PHC)

Number of Delegates: 154

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar. Dr. Abhishek Raut, CCD project team members and ICDS supervisors

(3) Title and Theme: Refresher Training of AWW & ASHA Facilitators on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 4, 5, 6 and 7 June 2014, 14, 16 and 17 October 2014 (7 trainings at Talegaon PHC)

Number of Delegates: 186

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar. Dr. Abhishek Raut, CCD project team members and ICDS supervisors

(4) Title and Theme: Refresher Training of AWW & ASHA Facilitators on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 3-5 June and 23 June 2014, 13, 14 and 18 October 2014 (7 trainings at Kharangana PHC)

Number of Delegates: 178

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar. Dr. Abhishek Raut, CCD project team members and ICDS supervisors

(5) Title and Theme: Training program for phase III, ROTA virus vaccine trial

Organizing Secretary: Dr. BS Garg

Date: 17 June 2014, 19 June 2014, 14 July 2014, 28 July 2014, 26 and 27 August 2014, 9 September 2014, 27 November 2014 and 23 February 2015 (8 training sessions)

Number of Delegates: 53

Resource Persons: Staff of Diagno Search, Mumbai and Serum Institute of India Limited, Pune

(6) Title and Theme: Training of Peer Group Leaders on Care for Child Development

Organizing Secretary: Dr. BS Garg

Date: 21, 23 and 30 July 2014 (1 training each at Anji, Kharangana and Talegaon PHC)

Number of Delegates: 63

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar. Dr. Abhishek Raut, CCD project team members and ICDS supervisors

(7) Title and Theme: Research methodology Workshop for Post-graduate students

Organizing Secretary: Dr. BS Garg

Date: 04-09 Aug 2014

Number of Delegates: 25

Resource Persons: Dr. BS Garg, Dr. Subodh Gupta, Dr. PR Deshmukh, Mr. MS Bharambe, Dr. Chetna Maliye, Dr. Abhishek Raut

(8) Title and Theme: Research methodology Workshop for Post-graduate students

Organizing Secretary: Dr. BS Garg

Date: 25-30 Aug 2014

Number of Delegates: 25

Resource Persons: Dr. BS Garg, Dr. Subodh Gupta, Dr. PR Deshmukh, Mr. MS Bharambe, Dr. Chetna Maliye, Dr. Abhishek Raut

(9) Title and Theme: Workshop to demonstrate greater skills during supervision and on-the-job training for the expansion of the effective ECD interventions to new areas, MGIMS

Organizing Secretary: Dr. BS Garg

Date: 1 to 5 September 2014

Number of Delegates: 20

Resource Persons: Dr. Jane Lucas, Dr. Vibha Krishnamurthy and Dr. Ziba Vaghri

(10) Title and Theme: Essential National Health Research workshop

Organizing Secretary: Dr. A M Mehendale

Date: 13-14 Sep 2014

Number of Delegates: 30

Resource Persons: Faculty Dept. of Community Medicine

(11) Title and Theme: Research methodology Workshop for Faculty
Organizing Secretary: Dr. BS Garg
Date: 15-19 Nov 2014
Number of Delegates: 25
Resource Persons: Dr. BS Garg, Dr. Subodh Gupta, Dr. PR Deshmukh, Mr. MS Bharambe, Dr. Chetna Maliye, Dr. Abhishek Raut

(12) Title and Theme: Data Analysis using Epi-Info
Organizing Secretary: Dr. BS Garg
Date: 16-21 February 2015
Number of Delegates: 19
Resource Persons: Mr. MS Bharambe, Dr. Subodh Gupta, Dr. PR Deshmukh, Dr. Chetna Maliye and Dr. Abhishek Raut

(13) Title and Theme: Training of Field Investigators for Quantitative and Qualitative Baseline Survey for ICMR Projects
Organizing Secretary: Dr. BS Garg
Date: 16-21 February 2015
Number of Delegates: 15
Resource Persons: Mr. MS Bharambe, Dr. Subodh Gupta, Dr. PR Deshmukh, Dr. Chetna Maliye and Dr. Abhishek Raut, Mr. Pravin Bhusari, Ms. Shubhangi Patil, Ms. Alka Kakde and Mr. Vinod Yenukar

(14) Title and Theme: CME on RNTCP
Organizing Secretary: Dr. AM Mehendale
Date: 26 March 2015
Number of Delegates: 90
Resource Persons: Dr. AM Mehendale, Dr. Sejal De, Dr. Ranjan Solanki

(15) Title and Theme: Parenting Workshop for Parents of under three children
Organizing Secretary: Dr. BS Garg
Date: July 2014 to January 2015 (26 Workshops at Talegaon PHC)
Number of Delegates: 699
Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar, Dr. Abhishek Raut, CCD project team members and ICDS supervisors

(16) Title and Theme: Parenting Workshop for Parents of under three children
Organizing Secretary: Dr. BS Garg
Date: July 2014 to January 2015 (27 Workshops at Kharangana PHC)
Number of Delegates: 728

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar.
Dr. Abhishek Raut, CCD project team members and ICDS supervisors

(17) Title and Theme: Parenting Workshop for Parents of under three children

Organizing Secretary: Dr. BS Garg

Date: July 2014 to January 2015 (25 Workshops at Anji PHC)

Number of Delegates: 713

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar.
Dr. Abhishek Raut, CCD project team members and ICDS supervisors

(18) Title and Theme: Parenting Melawa for Child Development

Organizing Secretary: Dr. BS Garg

Date: 4, 6 and 7 February 2015 (1 each at Anji, Kharangana and Talegaon PHC)

Number of Delegates: 1005

Resource Persons: Dr. Subodh S Gupta, Dr. Chetna Maliye, Mr. PV Bahulekar.
Dr. Abhishek Raut, CCD project team members, ICDS supervisors, ASHA and Anganwadi workers

2015 - 16

(1) Title and Theme: Qualitative Methods in Health Research

Organizing Secretary: Dr. BS Garg

Date: 27 Apr – 1 May 2015

Number of Delegates: 17

Resource Persons: Dr B S Garg, Dr Subodh S Gupta, Dr Chetna Maliye, Mr P V Bahulekar, Dr Abhishek V. Raut, Mr Vinod Yenurkar, Mrs Alka Kakde

(2) Title and Theme: Developing Course with Moodle (6 batches)

Organizing Secretary: Dr. Subodh Gupta

Date: April 2015 (2nd batch), June-July 2015 (3rd and 4th batch), July-August 2015 (5th and 6th batch)

Number of Delegates: 15 in each batch

Resource Persons: Dr Subodh S Gupta, Dr Anupama Gupta, Dr Anshu, Dr Sonia Jain, Dr Smita Shukla, Dr Atul Tayade, Dr Surekha Tayade, Dr Akash Bang, Dr P R Deshmukh, Dr Vishakha Jain, Dr Abhishek V. Raut, Dr Purvasha Narang, Dr Ashwini Kalantri

(3) Title and Theme: Essential National Health Research workshop

Organizing Secretary: Dr. A M Mehendale

Date: 1- 2 Aug 2015

Number of Delegates: 32 MBBS students of 2014 batch

Resource Persons: Dr AM Mehendale, Dr Subodh S Gupta, Dr P R Deshmukh, Dr DG Dambhare, Dr Abhishek Raut, Dr Ashwini Kalantri

(4) Title and Theme: Capacity building for planning and conducting Systematic Reviews and Meta-analysis

Organizing Secretary: Dr. BS Garg

Date: 24-26 Aug 2015

Number of Delegates: 20

Resource Persons: Dr Prathap Tharyan and Faculty from Cochrane South Asia, CMC Vellore

(5) Title and Theme: Capacity Building for Medical College Faculties in Maternal, Neonatal, Child Health & Nutrition (MNCHN) Research

Organizing Secretary: Dr. BS Garg

Date: 31 Aug - 4 Sep 2015

Number of Delegates: 24

Resource Persons: Dr B S Garg, Dr P P Doke, Dr Sandhya Khadse, Dr D G Chavhan, Dr Poonam Verma, Dr Subodh S Gupta, Dr P R Deshmukh, Dr Suchi Jain, Dr Manish Jain, Dr Chetna Maliye, Dr Akash Bang, Dr Abhishek V. Raut

(6) Title and Theme: Study Design Options in Epidemiological Research

Organizing Secretary: Dr. BS Garg

Date: 30 June - 4 July 2015

Number of Delegates: 24

Resource Persons: Dr B S Garg, Dr Subodh S Gupta, Dr P R Deshmukh, Dr Chetna Maliye, Dr Abhishek V. Raut

(7) Title and Theme: Research methodology Workshop for Post-graduate students

Organizing Secretary: Dr. Subodh Gupta

Date: 21-26 Sep 2015

Number of Delegates: 25

Resource Persons: Dr. BS Garg, Dr. Subodh Gupta, Dr. PR Deshmukh, Mr. MS Bharambe, Dr. Chetna Maliye, Dr. Abhishek Raut, Dr. Ashwini Kalantri

(8) Title and Theme: Research methodology Workshop for Post-graduate students

Organizing Secretary: Dr. Subodh Gupta

Date: 28 Sep – 5 Oct 2015

Number of Delegates: 25

Resource Persons: Dr. BS Garg, Dr. Subodh Gupta, Dr. PR Deshmukh, Mr. MS Barambe, Dr. Chetna Maliye, Dr. Abhishek Raut, Dr. Ashwini Kalantri

(9) Title and Theme: Leprosy Elimination in India: Myth or Reality, Seventh National CME cum Orientation

Organizing Secretary: Dr. BS Garg

Date: 2 Oct 2015

Number of Delegates: 60

Resource Persons: Dr B S Garg, Dr V V Dongre, Dr Vikrant Saoji, Prof. S K Samantha

Dr S Kar, Dr Siddhi Chikholkar

(10) Title and Theme: Expert group meeting for Systematic review on Gestational Diabetes Mellitus

Organizing Secretary: Dr. BS Garg

Date: 14 Dec 2015

Number of Delegates: 16

Resource Persons: Dr Suneeta Mittal, Dr Sunil Gupta, Dr Sutapa Neogi, Dr Himanshu Negandhi

(12) Title and Theme: Lecture on RNTCP for MBBS Students

Organizing Secretary: Dr. AM Mehendale

Date: 7 Jan 2016 (Anji) 7 Jan 2016 (Bhidi)

Number of Delegates: 100

Resource Persons: Dr. AM Mehendale, Dr. Sejal De, Dr. Ramesh Pawar, Dr. Abhay Ambilkar

(13) Title and Theme: Training of Field Investigators for improving health care seeking for newborn danger signs in rural Wardha

Organizing Secretary: Dr. BS Garg

Date: 21-23 Jan 2016

Number of Delegates: 10

Resource Persons: Dr B S Garg, Dr Chetna Maliye, Mr P V Bahulekar, Dr Abhishek V. Raut

(14) Title and Theme: Seminar on RNTCP for Interns

Organizing Secretary: Dr. AM Mehendale

Date: 3 March 2016

Number of Delegates: 50

Resource Persons: Dr. AM Mehendale, Dr. Sejal De

(15) Title and Theme: Data Analysis using Statistical Software

Organizing Secretary: Dr. BS Garg

Date: 8 - 12 March 2016

Number of Delegates: 20

Resource Persons: Mr. MS Bharambe, Dr. Subodh Gupta, Dr. PR Deshmukh, Dr. Chetna Maliye, Dr. Abhishek Raut and Mr. Pushkar Joshi

(16) Title and Theme: Faculty symposium on RNTCP

Organizing Secretary: Dr. AM Mehendale

Date: 29 Mar 2016

Number of Delegates: 80

Resource Persons: Dr. AM Mehendale, Dr. Rahul Narang, Dr. Lanjewar, Dr. Abhay Ambilkar

(17) Title and Theme: Student Seminar on RNTCP

Organizing Secretary: Dr. AM Mehendale

Date: 31 Mar 2016

Number of Delegates: 90

Resource Persons: Dr. AM Mehendale, Dr. Lanjewar, Dr. Abhay Ambilkar

ANNEXURE VIII: MD THESES

2015-16

Dr Abhijit Golhar; Guide: Dr BS Garg

Awareness and Health Care Seeking behavior for Newborn Danger Signs among Mothers in Rural area of a district in Maharashtra

Dr Swati Zarole; Guide: Dr AM Mehendale

Assessment of Effect of Early Childhood Development Interventions on Child Feeding Practices including Responsive Feeding and Nutrition Status of 6 To 23 months Old Children

Dr Harshal Bhumbar; Guide: Dr Subodh S Gupta

Process evaluation of Rashtriya Bal Swasthya Karyakram in district Wardha

Dr Kishor Ughade; Guide: Dr Chetna Maliye

A Study on Quality of Life of Elderly People in selected villages of Wardha District

Dr Prasoon Shrivastava; Guide: Dr Chetna Maliye

Status & effectiveness of Weekly Iron and Folic Acid Supplementation scheme in schools

Dr Prashant Ghodam; Guide: Dr DG Dambhare

Assessment of effect of a school-based behavior modification strategy on improvement in physical activity among school children

2014-15

Dr Charles Minz; Guide: Dr AM Mehendale

Effect of Probiotics on the Nutritional status of children Based on the follow up Study of a Cohort

Dr Karthiyayani; Guide: Dr PR Deshmukh

A study on household health expenditure in an area of primary health centre

Dr Ashwini Kalantri; Guide: Dr DG Dambhare

A case-control study of risk factors of Hypertension in rural population of a Primary Health Center

2013-14

Dr Reshma Sougajam; Guide: Dr BS Garg

An epidemiological study of malnutrition status of children among 6months to 59 months in rural Wardha, Maharashtra

Dr Akash Ranjan; Guide: Dr AM Mehendale

An Epidemiological Study of Maternal Morbidity in the area of PHC, Kharangna (Gode)

Dr Vikash Kumar; Guide: Dr PR Deshmukh

An epidemiological study of physical growth in first year of life in Anji Primary Health Center

Dr Himani Shemar; Guide: Dr DG Dambhare

A study to assess the effect of psychosocial stimulation on physical growth of children of 6-35 months of age in rural Wardha

Dr Pramod Sah; Guide: Dr Chetna Maliye

An Epidemiological Study of Sepsis in Young Infants

2012-13

Dr Vikas Kesri; Guide: Dr BS Garg

A Study on Quality Monitoring of Emergency obstetrics care and life saving Anesthetics skills training for Medical Officers in Selected States

Dr Ramesh Pawar; Guide: Dr AM Mehendale

A study on Health profile of youth in Rural Wardha

Dr Samarpita Dutta; Guide: Dr PR Deshmukh

An Epidemiological study of Chronic Respiratory Morbidity among women (< 40 years) in Rural Wardha

Dr Gaurij Hood; Guide: Dr Chetna Maliye

A Study on Treatment Seeking practices of families for illness of under- 5 children in Rural Wardha

Dr Shailesh Kawale; Guide: Dr DG Dambhare

An Epidemiological study of Diarrheal Diseases and Acute respiratory illnesses among under – 5 children of Rural Wardha

2011-12

Rohan Patil; Guide: Dr B S Garg

Epidemiological Study of Hypertension Among School Children of Rural Wardha

Anil Koparkar; Guide: Dr AM Mehendale

An Epidemiological Study of Morbidity Amongst Elderly Population in Rural Wardha

Shriram Gosavi; Guide: Dr PR Deshmukh

An Epidemiological Study of Injury in Rural Wardha

Abhishek Ingole; Guide: Dr C Maliye

A Study to Develop Health Promoting Schools in Rural Wardha

Ranjana Zade; Guide: Dr DG Dambhare

A Study of Reproductive Health Among Adolescent Girls in Wardha Town

2010-11

Manoj Tallapalliwar; Guide: Dr B S Garg

An Epidemiological Study of malnutrition among 0-6 years tribal children of Melghat, Maharashtra

Manish Taywade; Guides: Dr SS Gupta

An Epidemiological Study of Determinants of Low Birth Weight

Rakesh Kumar; Guide: Dr PR Deshmukh

An Epidemiological Study of Growth Faltering Among 0-6 years children in Rural Wardha

ANNEXURE IXA: STUDENT SHORT TERM PROJECTS

2015-16

Student: Mudita Joshi; Guide: Dr. Abhishek Raut

Maternal depression and its association with responsive feeding and nutritional status of infants. A cross-sectional study from a rural medical college in central India. (STS Reference ID – 2016-01258)

2014-15

Student: Gauri Patki; Guide: Dr. Abhishek Raut

Assessment of factors causing delay in initiation of treatment of Tuberculosis. A Cross-Sectional study from rural Wardha. (STS Reference ID – 2015-00246)

Student: Shreya Rasania; Guide: Dr. DG Dambhare

Self medication among medical and para-medical students.

2013-14**Student: IshwariBhombe; Guide: Dr. Abhishek Raut**

Time Motion Study of Auxiliary Nurse Midwives of Primary Health Centre, Kharangana (Gode), Maharashtra. (Reference ID – 2014-01696)

Student: Shreya Rasania; Guide: Dr. Subodh Gupta

Physical activity among female medical and para-medical students of MGIMS, Sevagram

2012-13**Student: MsNiritiSuman Chaudhary, Guide: Dr. Abhishek Raut**

An insight into the Feeding practices in children under 2 years of age - a study from rural Wardha

2011-12**Student: Sridhar Reddy; Guide Dr. PR Deshmukh**

A study of quality of life in rural elderly population of Wardha district.

Student: V. Radhika; Guide: Dr. DG Dambhare

Assessment of Spiritual health among medical students

Student: RajnishRawat; Guide: Dr. Ranjan Solanki

Prevalence of tobacco and alcoholism among medical students and attitude towards de-addiction in Vidarbha region

2010-11**Student: Apoorva Gupta; Guide: Dr. Ranjan Solanki**

Prevalence of Maternal Morbidity in Village Pulai, Wardha

Projects other than ICMR Short-term Studentship**Student: Srushti Jadhav; Guide: Dr. Subodh S Gupta**

Exploring association between household complementary feeding initiation practices and feeding behaviour in children 24-36 months-a case control study.

DEPARTMENT OF ENT

1. Name of the Department: **ENT**
2. Year of establishment: 1969
3. Is the Department part of a college/Faculty of the university?:
Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram.
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) :
UG(MBBS), PG(MS), DLO(Diploma in Otolaryngology)
5. Interdisciplinary programs and departments involved:
Interdepartmental teaching with Ophthalmology and Community Medicine department
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **None**
7. Details of programs discontinued, if any, with reasons : **NA**
8. Examination System: **Annual/Semester/Trimester/Choice Based Credit System**
9. Participation of the department in the courses offered by other departments-
No
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor/Reader	1	1	1
Assistant Professor	1	1	1
Lecturer			
Tutor / Clinical Instructor			
Senior Resident	1	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Prof.P.S.Nagpure	MBBS,MS	Professor & HOD	ENT	24
Prof.M.P.Puttewar	MBBS,MS	Professor	ENT	20
Dr.Deepika Garg	MBBS,MS	Assoc.Prof.	ENT	5
Dr.Kunal Kapartiwar	MBBS	Tutor	ENT	10 mnths
Dr. Abhijeet Futane	MBBS	Tutor	ENT	5 mnths
Dr.Ehsaan Sheikh	MBBS	Tutor	ENT	5 mnths

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **NA**
13. Percentage of classes taken by temporary faculty – program-wise information:

There are no temporary faculty in MGIMS

14. Program-wise Student Teacher Ratio- **100:6**

15. Number of academic support staff (technical) and administrative staff:

Non Teaching Staff	Sanctioned	Filled	Actual
Audiologist	1	1	1
Speech Therapist	1	1	1
Clerk	1	1	1
Attendant	1	1	1

16. Research thrust areas as recognized by major funding agencies- **NA**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. -**NA**
18. Inter-institutional collaborative projects and associated grants received
e) National collaboration b) International collaboration - **NA**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. - **NA**
20. Research facility / centre with - **NA**
 - state recognition
 - national recognition
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies - **NA**

22. Publications:
- * Number of papers published in peer reviewed journals (national / international) – 6 (last 5years)
 - * Monographs
 - * Chapters in Books
 - * Books edited
 - * Books with ISBN with details of publishers
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO hosts, Medline, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact Factor – range / average
 - * h-index
23. Details of patents and income generated - **NA**
24. Areas of consultancy and income generated - Institute policy does not permit any financial incentive to be taken by faculty
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad - **NA**
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (specify) - **none**
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs)
- By attending:
- conferences (ANNEXURE IVA)
 - Workshops (ANNEXURE IV C)
 - Teachers training Programmes:
 1. MEU WORKSHOPS attended (ANNEXURE IV D)
 2. Research Methodology workshops (ANNEXURE IV E)
28. Student projects - **none**
- percentage of students who have taken up in-house projects including inter-departmental projects
100% Post graduates (Annexure VIII: MD theses from 2011-2015)
 - percentage of students doing projects in collaboration with other universities / industry / institute
29. Awards / recognitions received at the national and international level by -

none

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Theme : CME on Updates on Sinus Infections

Organizing Secretary : Dr V Tyagi

Date : 31 Mar 2012, No of delegates : 150

Key Topics : Endoscopic anatomy of nose and paranasal sinuses, surgical and

medical management of fungal rhinosinusitis, complications of functional endoscopic sinus surgery (FESS), how to plan FESS, imaging in chronic rhinosinusitis, microbiology and antimicrobial management of chronic rhinosinusitis

Resource persons : Dr S Golhar, Dr P Lele

Funding: MGIMS

31. Codes of ethics for research followed by the departments - All research projects are approved by Institute Ethics Committee, MGIMS.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES					
(MBBS-ENT) 2015	12871	46%	54%	98.07%	91.48%
(I MBBS-ENT) 2014	15555	48%	52%	100%	100%
(I MBBS-ENT) 2013	8119	53%	47%	100%	93.75%
(I MBBS-ENT) 2012	16003	52%	48%	90.48%	93.33%
(I MBBS-ENT) 2011	12518	51%	49%	100%	93.75%
POSTGRADUATES					
2015 MS (ENT)	247	2 M	0 F		
2014 MS (ENT) DLO	265	1 M	1 F	0%	
2013 MS (ENT) DLO	191	2 M	0 F	50%	
2012 MS(ENT)	149	1 M		100%	
2011 MS(ENT)	205	2 M	0 F	100%	
		1 M	1 F	100%	100%

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG 2015	0% (0)	0% (0)	---	100%(2)
PG 2014 MS DLO	100% (2)	100% (1)	----	----
PG 2013 MS DLO	100%(3)	100%(1)	----	----
PG 2012	100% (2)	----	----	
PG 2011	100% (2)	----	----	----

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. – **None**

35. Student progression

Student progression	Percentage against enrolled
UG to PG	2
PG to M.Phil, DM / M Ch / DNB	0
PG to Ph.D.	0
Ph.D. to Post-Doctoral	0
Employed • Campus selection • Other than campus recruitment	100%
Entrepreneurs	0

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	33.3%
from other universities within the State	66.6%
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period – **None**

38. Present details of departmental infrastructural facilities with regard to

- a) Library –
Department Library-
- **Number of books: 87**
 - **Number of Journals: 7**
- Central Library –**
- **Number of books: 641**
 - **Number of Journals: 10**
- d) Internet facilities for staff and students - **Available for Staff & Students**
- c) Total number of class rooms –
- One Lecture Hall (with capacity of 150 students)
 - One demonstration room (with capacity of 25 students)
 - One seminar room (with capacity of 30 students)
- d) Class rooms with ICT facility and ‘smart’ class rooms –
All lecture halls are **wifi enabled and have LCD projection facility.**
- e) Students’ laboratories -1
Temporal Bone Dissection Lab
- f) Research laboratories – nil
39. List of doctoral, post-doctoral students and Research Associates: Nil
- a) from the host institution
 - b) from other institutions
40. Number of post graduate students getting financial assistance from the university- None
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. –
The assessment exercise is undertaken at the level of MUHS. Curriculum followed is designed by MUHS. If any review of curriculum takes place, Board of Studies members submit representations to university.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes, feedback is obtained regarding weekly lectures, clinics and tutorials of the students and implemented accordingly.

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **Yes, feedback is obtained. It is utilized to improve teaching-learning activities in the department. Mentor-Mentee meetings are conducted by faculty of the department. Through these meetings UG students can discuss their academic as well as other personal grievances**
- c. Alumni and employers on the programs offered and how does the department utilize the feedback?
Yes, the institution obtains feedback from alumni. This is utilized for constructive improvement of the departmental teaching and working methods

43. List the distinguished alumni of the department (maximum 10).

- **Dr. SKT Jain – Professor, ENT Dept, IGMC Nagpur**
- **Dr. Arti Pandey - Associate Professor & HOD, CIMS, Bilaspur**
- **Dr.Mitesh Khatri - Consultant ENT Specialist at Shree Sai Hospital, Amrawati**
- **Dr.Bhushan Patil - Senior Consultant ENT Specialist & Head and Neck Surgeon at Meher Clinic, Gurgaon, Delhi**
- **Dr.Henry Nongrum - Consultant, Department of Otolaryngology and Head; Neck Surgery, Nazareth Hospital, Shillong**
- **Dr.Nishant Kumar - Consultant ENT Specialist at The Mission Hospitals, Durgapur**
- **Dr.Mukundan Subramaniam – Otolaryngologist, Poonamallee High Road, Chennai**
- **Dr.Arijit Audhya - Specialist ENT surgeon in Aster DM Healthcare, Dubai**
- **Dr.Vishal Tyagi - Consultant ENT Specialist at Shivan ENT Hospital, Thane west, Thane**
- **Dr Roohie Singh - Consultant ENT surgeon, Department of ENT, Military Hospital, Jodhpur**

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Presentations at MGIMS Academy of Medical Sciences

Dr Amit Kaushal

Topic: What influenced you to choose medical profession as your career?

3 Sep 2012

Dr Monica Malgonde

Topic: Role of Foley's catheter in removal of a big marble pebble from oesophagus

26 Sep 2012

An integrated teaching programme on Headache

(for undergraduate and post-graduate students)

Ophthalmology, Medicine, ENT & Neurosurgery

21 Sep 2011

Dr Ajay Kamble

Fibreoptic Endoscopic Sinus Surgery (FESS) for management of chronic rhinosinusitis: our experience, 31 Jul 2013

45. List the teaching methods adopted by the faculty for different programs including clinical teaching. –
- **Case Presentations including bedside teaching**
 - **Group Discussion**
 - **Powerpoint presentation**
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Seminar presentation (every Tuesday)**
Journal Presentation (every Thursday)
Case presentation and Discussion (every Saturday)
Each of these sessions is followed by grading of the students.
47. Highlight the participation of students and faculty in extension activities –
- Rajiv Gandhi Arogya Yojana: patients of Head and Neck Malignancy, Facial Trauma, Ear Disease(like CSOM, Cholesteatoma), Chronic dacrocystitis, Nasal pathologies(like chronic rhinosinusitis , nasal polyps) and Thyroid malignancy are enrolled under the scheme for free treatment
 - Melghat visit- monthly visits to Utawali centre
 - Urban Health Centre visit- Visit to GMLF every Monday and Saturday
 - Village Adoption scheme- Monthly visits to village adopted under this scheme
 - ROME camps – Consultant visits for ENT checkup during the camp
 - Cancer Diagnostic Camps
48. Give details of “beyond syllabus scholarly activities” of the department- Presentations in Conferences (state and national) – Annexure VII attached

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. –
Course: MS (ENT) - 2 seats- MCI approved
DLO – 1 seat- MCI approved
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: -Presentations-Annexure VII
Publications- Annexure IA
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Good quality teaching and training in ENT. Have trained ENT surgeons since 1969 who are working in various parts of the country and world. Rigorous PG teaching programme in place
- Practical hands on training like Temporal Bone Dissection training is given to to students. Good patient inflow ensures good clinical exposure to students
- Committed and experienced faculty
- Facilities for ASSR available - Auditory Steady State Response (ASSR) is an objective test used for evaluation of hearing ability in children too young for traditional audiometric testing. Most children are referred for ASSR after a newborn hearing screen in the hospital indicates the possibility of hearing loss. Early intervention strategies, such as hearing devices or cochlear implantation, are necessary for development of speech and language skills in a child with hearing impairment. The results obtained from ASSR testing can be used to estimate the behavioral pure-tone audiogram. This information is essential in the management of children with hearing loss.
- Facilities for the following are available in department:
 - Head & Neck Cancer treatment
 - Cosmetic surgery like septorhinoplasty
 - Comprehensive treatment of Deafness
 - Endoscopic procedures like Nasal endoscopy (including endoscopic DCR) , microlaryngeal surgeries, bronchoscopy/ esophagoscopy/ laryngoscopy (diagnostic & therapeutic)

Weaknesses:

- Inadequate space for expansion of department
- Limited number of faculty puts constraints on working

Opportunities

- The Rajiv Gandhi Jeevandayi Yojana started in the institute has given a new opportunity to the department in the field of oncology, ear diseases (like CSOM and cholesteatoma), nasal diseases (like chronic rhinosinusitis and nasal polyps) and facial trauma.

Challenges

- To improve quality of research publications of both staff and students
- Need to evolve and add the following facilities in the department
 - Surgeries for Obstructive sleep apnoea
 - Cochlear implant surgery,
 - Surgery for skull base pathologies
 - Allergy Clinic
 - Thyroplasty
 - LASER surgeries
 - Cryosurgery

52. Future plans of the department.

- Plans to start the following procedures: Cochlear Implant surgery, Cosmetic procedure for pinna deformity, endoscopic skull base procedures
- Improve the research output of the department

ANNEXURES FROM DEPARTMENT OF ENT

ANNEXURE I A PUBLICATIONS

2011-12

Tyagi V, Singh R, Garg D, Nagpure PS.

Tracheoesophageal perforation following external blunt trauma
Pakistan J Otolaryngol 2011; 27 (2): 52-53

Tyagi V, Kaushal A, Garg D, De S, Nagpure PS.

Treatment of peri-tonsillar abscess- a prospective of Aspiration Vs Incision and Drainage
Calicut Med J 2011; 9(3): 1-4

2013-14

Pal KS, Kaushal A, Nagpure PS, Agarwal G.

Etiopathological study of 100 patients of hoarseness of voice in a rural based hospital.

Indian J Otolaryngol Head Neck Surg 2014; 66 (1): 40-45

2015-16

Agarwal G, Nagpure PS, Chavan SS.

Questionable necessity for removing submandibular gland in neck dissection in squamous cell carcinoma of oral cavity

Indian J Otolaryngology and Head and Neck Surgery 2016: 1-3

Garg D, Bhandari D, De S, Gadge S, Malgonde M, Tyagi V, Nagpure PS.

Tracheostomy tube cuff puncture during insertion of tracheostomy tube: an unusual overlooked complication during tracheostomy

Int J Health Sciences & Research 2015; 5(8): 644

ANNEXURE IV A: CONFERENCES ATTENDED

2011-12

Malgonde M, Lavania M.

31st Annual Conference Ventcon AOI

Nagpur, 18 Dec 2011

Tyagi V, Garg D, Mahajan A, Pal K, Malgonde M, Kamble A, Lavania M.

43rd Maharashtra State ENT, AOI Vidarbha Branch (MENTCON)

Amravati, 25-27 Nov 2011

Nagpure P S, Puttevar M P, Tyagi V, De S, Kaushal A, Malgonde M,

Kamble A, Aggarwal G, Lavania M, Gadge S.

Imaging in ENT

JNMC, Sawangi Meghe, 3 Mar 2012

2012-13

Gadge S, Lavania M

Annual Conference VENTCON-2012, AOI, Vidarbha,

NKP Salve Institute of Medical Sciences, Nagpur, 15-16 Dec 2012

2013-14

Agarwal G, Gadge S, Kumar M.

MENTCON- 45th Maharashtra State ENT Conference
Federation of Maharashtra State Branches of AOI
Armed Forces Medical College, Pune, 13-15 Dec 2013

Agarwal G, Kumar M, Kumar P.

66th National Conference of Association of Otolaryngologists of India
JSS Medical College, Mysore, 9 – 12 Jan 2014

2014-15

Aggarwal G, Yadav P, Yadav M, Raut H.

34th Annual Conference of ENT surgeons of AOI Vidarbha branch
VENTCON 2014, Nagpur, 27-28 Dec 2014

De S, Aggarwal G.

Head & Neck Oncology Teaching Programme
Amrita Hospital Institute of Medical Sciences, Kochi, 4-10 Feb 2014

2015-2016

Yadav M, Manpe S, Bansod V, Ganeshkar R, Meshram S.

15th National Conference of FHNO,
Nagpur, 11 - 13 Sep 2015

Chauhan S, Ganeshkar R.

35th Annual Conference of Vidarbha Branch VENTCON-2015'
SVNGMC, Yavatmal, 28-29 Nov 2015

ANNEXURE IV B COURSES

2011-12

De S , Malgonde M, Aggarwal G, Gadge S

Temporal Bone Dissection Course
Vasantrao Pawar Medical College , Nashik, 5-8 Aug 2011

Puttewar M, De S, Malgonde M

20th Functional Endoscopic Sinus Surgery Course (FESS),
Hinduja Hospital, Mumbai, 14-16 Oct 2011

2012-13

Gadge S

21st Functional Endoscopic Sinus Surgery Course (FESS)

Hinduja Hospital, Mumbai, 31 Aug-2 Sep 2012

De S, Agarwal G, Gadge S

90th Temporal Bone Dissection Course

Otology and Skull Base group, Balabhai Nanavati Hospital, 15-17 Feb 2013

Agarwal G, Lavania M

Temporal Bone Dissection Course

India Institute of Ear Diseases, Muzaffarnagar, 7-8 Jul 2012

Agarwal G, Gadge S, Lavania M

4th Head & Neck Post Graduate Teaching course

Govt Medical College, Nagpur, 24 Nov 2012

2013-14

Singh NK.

95th Temporal Bone dissection Course

Otology and skull base

Nanavati Hospital, Mumbai, 20 – 22 Dec 2013

Agarwal G, Kumar M, Kumar P.

Hands on Cadaveric Dissection

XII Basic course in Endoscopic Surgery

LTMG Hospital, Mumbai, 25 - 28 Jul 2013

Garg D, Malgonde M.

Hands on Workshop on Temporal Bone Dissection Course

AFMC, Pune, 13 – 15 Sep 2013

Nagpure PS, Kumar M.

Hands on Cadaver dissection on Anterior and Lateral skull base surgery

Command Hospital, Jodhpur, 29 – 30 Mar 2014

ANNEXURE IV C WORKSHOPS ATTENDED

2011-12

Aggarwal G.

6th National FESS Workshop

New Delhi, 8-10 Oct 2011

Puttewar MP, Tyagi V, Garg D, De S, Kamble A, Mahajan A, Gadge S.

Live surgical workshop on Endonasal DCR

JNMC, Sawangi(M), 8 Oct 2011

Lvania M.

Basic Workshop in Research Methodology

Medical Education and Clinical epidemiology Unit

MGIMS, Sevagram, 3- 9 Oct 2011

Tyagi V.

Basic Workshop on Endoscopic sinus surgery with cadaver dissection

LTMG Hospital, Mumbai, 25- 26 Sep 2011

Puttewar MP.

7th International workshop on Laryngotracheal stenosis

Mumbai, 27-31 Jan 2012

Malgonde M, Lvania M.

2013-14

Malgonde M.

Workshop on 8th Cochlear Implant Update 2013

P.D. Hinduja Hospital, Mumbai 26 – 27 Oct 2013

Malgonde M.

3rd Postgraduate teaching workshop

Bharti Vidya Peeth, Pune, 4 - 5 Feb 2014

Workshop on “Sinuses and Beyond’

Orange City Hospital, Nagpur, 19 Feb 2012

2014-15

Singh NK

Workshop on Functional Endoscopic Sinus Surgery: MEGA FESS

Kochi, 16-17 Jan 2015

2014-2015

Puttewar MP

Workshop on Sensitization on Cochlear implant

JNMC, Sawangi Meghe, 15 Aug 2014

Nagpure PS

38th Workshop on Phonosurgery
Bombay Hospital, Mumbai, 1-2 Aug 2014

Agarwal G, Yadav M
Head and Neck Surgical Workshop
JJ Hospital, Mumbai, 17-18 Jan 2015

2015-16

Sonone J, Meshram S
Functional Endoscopic Sinus Surgery, Sion Hospital Mumbai, 4 - 7 Nov 2015

Nagpure PS, Ganeshkar R, Yadav M
Live Surgical Workshop of Rhinoplasty,
Nagpur, 13- 14 Feb 2016

Ganeshkar R, Yadav M
FESS Vision and Revision,
Latur, 20- 21 Feb 2016

ANNEXURE IV D MEU WORKSHOPS ATTENDED

2011-2012

Dr Sarmishtha De
Basic Workshop in Medical Education Technology: 28-30 Apr 2011

Dr Vishal Tyagi
Basic Workshop on Medical Education Technology: 16-18 Jan 2012

2015-2016

Dr PS Nagpure, Dr MP Puttewar, Dr Deepika Garg
Blended learning course on 'Developing course with Moodle': 27 Jul – 24 Aug
2015

ANNEXURE IV E RESEARCH METHODOLOGY WORKSHOPS ATTENDED

2011-2012

SV Gadge, Gaurav Agarwal, M Lavania
Workshop on Research Methodology for Postgraduate Students: 3-9 Oct
2011

2012-2013

Dr PS Nagpure, Dr M Puttewar

Basic Workshop in Research Methodology for faculty: 18-22 Feb 2013

2013-2014

Dr. Vijay Bansod

Research Methodology Workshop for Post-graduate Students: 4-9 Aug 2014

Dr. Shraddha Manpe

Research Methodology Workshop for Post-graduate Students: 25-30 Aug 2014

2015-2016

Dr Deepika Garg

Research Methodology Workshop for faculty; 21-26 Sep 2015

ANNEXURE V: AWARDS AND RECOGNITION

2011-12

Dr Kamana S Pal and **Dr Aparna Mahajan** stood **second in the PG Quiz** held at the Maharashtra State ENT Conference (MENTCON) at Amravati on 26 Nov 2011

Dr Amit Kaushal stood **third in the first inter-collegiate PG ENT Quiz** conducted at Nagpur in Apr 2011

2012-13

Dr Shweta Gadge received **2nd prize** in Temporal Bone Dissection in VENTCON 2012 at LMC, Nagpur 15-16 Dec 2012

2013-14

Dr Pramod Kumar was awarded **first prize** in **Dr GM Deshmukh Memorial Essay competition** at VENTCON 2014

Dr Manish Kumar was awarded **Third Prize** in **Dr. Prem Kakkar Rhinology Quiz Session** at “66th National Conference of Association of Otolaryngologists of India” at JSS Medical College, Mysore on 9-12 Jan 2014

2015-16

Dr Sushil Chauhan received **first prize** for his **essay** titled ‘Recent Advances in Management of Tinnitus’

ANNEXURE VII: PAPER PRESENTATIONS

2011-12

Malgonde M.

Removal of foreign body from cricopharynx using a Foley's catheter.

The Federation of Maharashtra State Branches of AOI, Amravati, 26 Nov 2011

Malgonde M.

Prospective study of sensory neural hearing loss.

The Federation of Maharashtra State Branches of AOI, Amravati, 26 Nov 2011

Pal KS.

Bilateral complete choanal atresia in 25 years old female: a rare entity.

The Federation of Maharashtra State Branches of AOI, Amravati, 26 Nov 2011

Mahajan A.

Surgical treatment of grade II deviated nasal septum with internal nasal valve obstruction by spreader graft

The Federation of Maharashtra State Branches of AOI, Amravati, 26 Nov 2011

Kamble K.

Medical and surgical treatment in chronic rhinosinusitis.

The Federation of Maharashtra State Branches of AOI, Amravati, 26 Nov 2011

2012-13

Agarwal G.

Peritonsillar abscess- A clinicobacteriological study

VENTCON-2012

Lata Mangeshkar Hospital, Nagpur, 15-16 Dec 2012

Agarwal G.

Treatment of peritonsillar abscess: A prospective study of Aspiration Vs Incision and Drainage

AOICON-2013

Pune, 3-6 Jan 2013

Gadge S.

Study of clinical profile and post radiotherapy outcome in carcinoma esophagus

AOICON-2013

Pune, 3-6 Jan 2013

2014-15

Singh NK.

Study of internal nasal valve and results of its surgical outcome

Rhinocon 2014

IGMC Shimla, 30 May-1 Jun 2014

ANNEXURE VIII MD THESES

2011-12

Aparna Mahajan; Guide: Dr Puttewar MP

Study of clinical profile and management of pars tensa retractions

Kamna S Pal; Guide: Dr Nagpure PS

Stroboscopic evaluation of voice disorder

2012-13

Gadge S; Guide: Dr Puttewar MP

Comparative study of three autologous grafts used in surgical management of tubotympanic CSOM

Agarwal G; Guide: Dr Nagpure PS

Hearing status in industrial workers (noise exposure)

2013-14

Kamble A; Guide: Dr Puttewar MP

Study of medical and surgical treatment in chronic rhinosinusitis

Malgonde M; Guide: Dr Nagpur PS

Prospective study of sensorineural hearing loss of patients in head and neck

2014-15

Kumar M; Guide: Dr Nagpure PS

Study of inferior turbinate hypertrophy in case of deviated nasal septum – its management and follow-up

Kumar P; Guide: Dr Puttewar M

A comparative study of effect of steroid plus antiviral and steroid alone in the treatment of Bell's palsy

2015-2016

Kapartiwar K; Guide: Dr Puttewar M

Study of clinical profile of sensorineural hearing loss and management of idiopathic sensorineural hearing loss with special reference to treatment with intratympanic steroids

Bansod V; Guide: Dr Puttewar M

Comparative study of auditory steady state response (ASSR), brainstem evoked response Audiometry (BERA) and Pure Tone Audiometry (PTA) in patient of sensory neural Hearing Loss

Manpe S; Guide: Dr Nagpure PS

Clinical profile of extra-pulmonary tuberculosis in head and neck with special focus on ear, nose and throat area

Sonone J; Guide: Dr Puttewar M

Study of the relation of DNS, anatomical variations of osteomeatal complex with chronic sinusitis and relation of chronic sinusitis with dental occlusion

Ganeshkar R; Guide: Dr Nagpure PS

Study of the prevalence and management of maxilla facial fractures in patients attending trauma emergency department of tertiary care hospital

DEPARTMENT OF OPHTHALMOLOGY

1. **Name of the Department** : Ophthalmology
2. **Year of establishment** : 1969
3. **Is the Department part of a college/Faculty of the university?**
Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
 - MBBS
 - MS (Ophthalmology)
 - DOMS
5. **Interdisciplinary programs and departments involved**
 - Social Service Education Orientation Camp (Department of Community Medicine)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
 - Certificate course in SICS in collaboration with Government of Maharashtra
7. **Details of programs discontinued, if any, with reasons**
 - Nil
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
 - UG : Annual
 - PG : End of course
9. **Participation of the department in the courses offered by other departments:** Certificate course in Geriatric Medicine in collaboration with Department of Medicine, MGIMS
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	02
Associate Professor/Reader	02	02	03
Assistant Professor	03	03	01
Lecturer			
Tutor / Clinical Instructor			

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	02
Senior Resident			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	
				UG	PG
Dr. A K Shukla	MS, DNB, FRCS	Professor & Head	Ophthalmology	26	18
Dr. Smita Singh	MS, DNB	Professor	Glaucoma / LASIK/ PHACO	20	11
Dr. Ajab Dhabarde	MS	Associate Professor	Glaucoma	10	05
Dr. Puja Bang	MS, DNB	Associate Professor	Cornea	10	05
Dr. Kavita Satav	MS	Associate Professor	Ophthalmology	09	00
Dr. Nitu Khadse	MS	Assistant Professor	Ophthalmology	01	00

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- Nil

13. Percentage of classes taken by temporary faculty – program-wise information

- Not Applicable (no temporary faculty allowed as per institute policy)

14. Program-wise Student Teacher Ratio

- UG – 27:1 (100 UG students per batch, 6 University Approved UG Teachers)
- PG – 1:1 (4MS PG students per batch, 4 University Approved PG Teachers)

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
TECHNICAL STAFF			
Refractionist	1	1	1
Ophthalmic Assistant	1	1	1
ANM	1	1	1
Social Worker	2	2	2
ADMINISTRATIVE STAFF			
Clerk	1	1	1

16. Research thrust areas as recognized by major funding agencies

- Diabetic Retinopathy
- Blindness & Cataract

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) Sentinel Surveillance Unit (Under National Programme for control of Blindness)

Shukla AK, Singh S, Mehendale AM

Funded by Ministry of Health & Family Welfare, GOI,

2011-12: Fund amount: 2.5 lacs

2012-13: Fund amount: 2.5 lacs

2013-14: Fund amount: 2.42 lacs

2014-15: Fund amount: 1.78 lacs

National – NPCB grant :- no dedicated faculty

b) International - Queen Elizabeth Trust grant :-

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

a) National committees :- Cataract Blindness Control in Wardha District under NPCB

b) International committees: - Screening of Diabetic Retinopathy under Queen Elizabeth Trust, London in Collaboration with Indian Institute of Public Health.

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

- **state recognition** - Department runs a fully operational Eye Bank
- **national recognition** - Training of District Ophthalmic Surgeons in Modern methods of Cataract Surgery.
- **international recognition** - Screening of Diabetic Retinopathy under Queen Elizabeth Trust, London in Collaboration with Indian Institute of Public Health

21. Special research laboratories sponsored by / created by industry or corporate bodies – Nil

22. Publications:

- * **Number of papers published in peer reviewed journals (national / international):** see ANNEXURE - I
- * **Monographs-** NA
- * **Chapters in Book**
- * **Books edited-** NA
- * **Books with ISBN with details of publishers -** NA
- * **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)**
- * **Citation Index – range / average -** Zero
- * **SNIP**
- * **SJR**
- * **Impact Factor – range / average**
- * **h-index -** Zero

23. Details of patents and income generated :- Nil

24. Areas of consultancy and income generated :-Institute policy does not permit any financial incentives for consultancy. However, free academic consultancy is given to the following Agencies:

- Government of India: SICS training certification

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :-

- **Singh S**
Meeting on Competency based curriculum in Ophthalmology (Resource person), MCI New Delhi, 5 Nov. 2013
- **Dr S Singh** :GSMC-FAIMER Regional Institute 2007: Faculty and resource person for GSMC-FAIMER Regional Institute, Mumbai.
- **Shukla AK**

3rd National Diabetic Retinopathy Task Force meeting,
New Delhi, 2 Nov 2015

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) any other (specify)**

Shukla AK: District Blindness Control Society: 2014-15

**27. Faculty recharging strategies (Refresher / orientation programs,
workshops, training programs and similar programs). See ANNEXURE
– II**

28. Student projects

- **percentage of students who have taken up in-house projects including inter-departmental projects :- 100 % of PGs do Dissertation**
- **2011: Potphode A; Guide : Dr Shukla AK-**Assessment of eye care needs and outcome of cataract surgery in diabetic patients
- **2011: Pazare S; Guide : Singh S-**Profile of ocular trauma and visual outcome in patients of open globe injury
- **2012: Deshmukh S; Guide; Dr Shukla AK-** Prevalence of corneal disorder and corneal blindness in rural population and assessment of need and outcome of penetrating keratoplasty
- **2013: Gawande A; Guide: Dr Shukla AK-** Profile of age related macular degeneration in patients coming for cataract surgery
- **2013: Chaudhary G; Guide: Dr Singh S-** Retinal nerve fiber layer thickness measured by optical coherence tomography in glaucoma suspects, primary open angle glaucoma patients and normal subjects
- **2014: Maliye S; Guide: Dr Lohiya S-** Study of macular thickness and retinal nerve fibre thickness in diabetic patients measured by optical coherence tomography
- **2014: Khadse N; Guide: Dr Dhabarde A-** A clinical study of lens induced glaucoma in a rural based tertiary care hospital
- **2015: Gupta S; Guide: Dr Singh S-**Profile of patients undergoing Laser Assisted in-situ keratomileusis (LASIK) surgery in a tertiary care rural hospital
- **2015: Chavhan P; Guide: Dr Shukla AK-** Prevalence and risk factors of dry eye disease
- **2015: Singh S; Guide: Dr Singh S-**Endothelial cell loss measured by specular microscopy – A comparative between manual small incision cataract surgery and phacoemulsification
 - **percentage of students doing projects in collaboration with other universities / industry / institute :- Nil:**

29. Awards / recognitions received at the national and international level by

- **Faculty:- Dr S Singh** awarded the FAIMER fellowship
- **Doctoral / post doctoral fellows :-** not applicable
- **Students :-**
 - **Kanchan Shukla: 2nd** in DO: MUHS: JUNE 2011
 - **Eye-Q quiz: 2012: GMC Nagpur: 1st prize: MBBS students of the 2008 batch**

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- **Review meeting of sentinel surveillance unit under National Program for Control of Blindness (NPCB)**
Organizing Secretary :Dr AM Mehendale
Date : 6 Aug 2011
No. of Delegates : 10
Resource Persons : Dr AS Rathore, Dr AK Shukla, Dr AM Mehendale, Dr S Shukla, Mr MS Bharambe
- **“Eye Donation – Facts and Myths” (In Association with Academy of medical Sciences 2015 -16 dated 9th Sept 2015)**
Every year Eye donation fortnight organized
- **Symposium on Eye Donation Fortnight: 7 Sep 2011**
- **An integrated teaching programme on Headache: (for undergraduate and post-graduate students)in association with the departments of Medicine, ENT & Neurosurgery: 21 Sep 2011**
- **Theme : Workshop on Vitreo Retinal Surgery**
Organizing Secretary : Dr AK Shukla
Date : 28 July 2013
No. of Delegates : 15
Key topics : Vitreoretinal surgery, diabetic retinopathy, age related macular degeneration, macular hole, operative workshop
Key persons : Dr Vastal Parekh, Dr Chetna Parekh, Dr AK Shukla

Academy of Medical Sciences presentations from Department of Ophthalmology: 31 Jul 2013

Dr Sonu Lohiya(Dept. of Ophthalmology):

Central Retinal Artery Occlusion : Rare ocular complication of oral contraceptive pill

- **Theme : Seminar on Phacodynamics**

Date : 29-30 May 2015

Organizing Secretary : Dr AK Shukla

Resource persons : Dr AK Shukla, Dr Smita Singh, Dr Pratik Joshi

Key topics :Phacodynamics, biometry, Techniques and steps of Phaco

- **9 Sep 2015: Eye donation fortnight:**

Eye Donation- Facts and myths

Postgraduates from Dept of Ophthalmology presented in Academy of Medical Sciences

31. Code of ethics for research followed by the departments

- All projects are submitted to the Institutional Ethics Committee & approved before projects are started.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES					
MBBS: 2015	12871	46%	54%	Will appear in 2018	
MBBS: 2014	15555	48%	52%	Will appear in 2017	
MBBS: 2013	8119	53%	47%	Exams in Nov 2016	
MBBS: 2012	16003	52%	48%	94%	100%
MBBS: 2011	12518	51%	49%	100%	100%
POSTGRADUATES					
2015	247	40(2)	60(3)	33(1)	66(2)
2014	265	20 (1)	80 (4)	33(1)	66(2)
2013	191	33 (1)	66(2)	50(1)	50(1)
2012	149	0	100 (3)	66(2)	33(1)
2011	205	33(1)	66(2)	25(1)	75(3)

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBBS	MBBS students are selected through a common Pre-Medical Test (PMT) from all over the country			

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
DOMS / MS				
2015	100	0	0	0
2014	80	0	20	0
2013	66	0	33	0
2012	100	0	0	0
2011	66	33	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Not Applicable

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Admission is done through a national entrance examination
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	Not applicable
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university MUHS Nashik	17%: 1:6: Dr. Nitu Khadse
from other universities within the State	50%: 3:6: Dr. Ajab Dhabarde (Nagpur University) Dr. Puja Bang (Mumbai University) Dr. Kavita Satav (Nagpur University)
from universities from other States	33%: 2:6: Dr. A K Shukla (Delhi University) Dr. Smita Singh (Delhi University)
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

- May – June 2014 Short Term Fellowship in Cornea Dr. Purvasha Narang
- 2013 PHACO Fellowship Dr. Smita Singh & Dr. SonuLohiya

38. Present details of departmental infrastructural facilities with regard to

a) Library :-

Central Library (Ophthalmology)

- Books – 962 [New books purchased 2011-2015 - 100]
- Journals – 05
- Thesis – Total No. 37 (1989 onwards) [New Theses Submitted 2011-2015 - 11]
 - CDs - 03
 - Hard copies’ – 34

Departmental Library

Books - 201

b) Internet facilities for staff and students :-Department has good connectivity of Wi-Fi and computers are being provided with this facility through HIS system

c) Total number of class rooms :- 03

For Clinics	Old ward Classroom 20ft X 8ft
	New ward Classroom 28ft X 12ft
	OPD Classroom 24ft X 12ft
For Lectures	PSM Classroom 34ft X 15ft
	Anatomy Classroom

d) Class rooms with ICT facility and ‘smart’ class rooms:-All lecture halls are wi-fi enabled and have LCD projection facility.

e) Students’ laboratories:-SICS & PHACO Wet Lab

f) Research laboratories:- Yes (with state of the art instruments)

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university - Nil

b) from other institutions/universities - Nil

40. Number of post graduate students getting financial assistance from the university.

- Dr. Pratima Chauhan Rs. 22,500 /- from KHS Research committee for “Prevalence and Risk factors of Dry Eye Disease:”

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

- This exercise is undertaken at the level of MUHS. The staff members who are on the Board of Studies represent our feedback to the University.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- Yes, Faculty feedback is taken in Departmental meetings by HOD. Present status of course is assessed.
- In college council meetings, the faculty discusses the curriculum.
- IQAC gathers feedback and shares it with staff.
- Curriculum Committee meetings involve discussion of curriculum.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Feedback is taken from the students in order to improvise and overcome limitations, if any: by teachers after their lectures, later by the Department and by the Institution
- During Mentor-Mentee meetings

c. alumni and employers on the programs offered and how does the department utilize the feedback?

- Institute collects feedback from alumni and incorporates their suggestions.

43. List the distinguished alumni of the department (maximum 10)

Name	Designation	Institute
Dr. Manoj Mehta	Professor	RD Gardi Medical College, Ujjain
Dr. Shashank Banait	Professor	Jawaharlal Nehru Medical College, Sawangi
Dr. Sonu Lohiya	Professor	Jawaharlal Nehru Medical College, Sawangi
Dr. Dhiraj Buller	Professor	MVP'S Dr. Vasantao Pawar Medical College, Hospital & Research Centre, Adgaon, Nashik
Dr. Sumita Dubey	Associate Professor	DY Patil Medical College, Thane
Dr Snehal Bonde	Asst Professor	GMC Nagpur
Dr Bhavesh Gurdasani	Assoc Professor	GMC Akola

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- **Theme : Workshop on Vitreo Retinal Surgery**
Organizing Secretary : Dr AK Shukla
Date : 28 July 2013
No. of Delegates : 15
Key topics : Vitreoretinal surgery, diabetic retinopathy, age related macular degeneration, macular hole, operative workshop
Key persons : Dr Vastal Parekh, Dr Chetna Parekh, Dr AK Shukla

- **Theme : Seminar on Phacodynamics**
Date : 29-30 May 2015
Organizing Secretary : Dr AK Shukla
Resource persons : Dr AK Shukla, Dr Smita Singh, Dr Pratik Joshi
Key topics : Phacodynamics, biometry, Techniques and steps of Phaco

- **7 Oct 2015: Seminars on:**
 - Visual Evoked Potential: An Imperative Neurophysiological Tool: Dr Ruchi Kothari, Assistant Professor, Department of Physiology,
 - Pattern reversal Visual Evoked Responses in Schizophrenia: Dr Snehbabulkar, Senior Resident, Department of Psychiatry

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Daily assignments submission with grading feedback by faculty
- OSCARS (SICS) for Surgical training :- Self feedback
- Case Presentation by PG's:- feedback by peers and faculty
- Seminars by PGs:- feedback by peers and faculty
- Journal Club by PGs:- feedback by peers and faculty
- OSCEs for UG & PG:- feedback by peers and faculty
- E-learning: Ongoing development of modules
- Horizontal and Vertical Integration:
 - An integrated teaching programme on Headache: (for undergraduate and post-graduate students)in association with the departments of Medicine, ENT & Neurosurgery: 21 Sep 2011
- Slow learners:
 - Bang P attended a Building Blocks Workshop for slow learners in Mumbai, 19-20 Sep 2015
 - Hingorani-Bang P (As faculty)

Workshop on 'Developing Good Study Skills'

Date : 25 Oct 2015

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Evaluation of MBBS program is done through results of classroom/ internal assessment in following exams: Part Completion Tests, Terminal Exam & Preliminary Exam and University exams
- Feedback is collected from the students
- Feedback is collected from the faculty
- Discussion at curriculum committee meeting and college council regarding the same is conducted.
- Guidelines from university are followed.

47. Highlight the participation of students and faculty in extension activities.

- Camps: Social Service Camp
Screening Camps:
No. of Camps held between 2011 to 2015 :-183 camps
No. of Screened patients between 2011 to 2015 :-21,074 patients
- Awareness activities
Eye donation
Diabetic Retinopathy
Glaucoma
Cataract and Blindness

48. Give details of "beyond syllabus scholarly activities" of the department.

- PGs and Faculty regularly attend workshops, CMEs, Conferences & Present Papers & Publish studies
- E-learning modules are being developed.
- Journal clubs

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes. By **MUHS, MCI**

Date of MBBS recognition by MCI: 1976

Date of MS recognition by MCI: 2001-02

Date of last inspection of :

MCI: 05-02-2016

MUHS: 02-03-2015

- IOL Training program recognized by Government of India

- Sentinel Surveillance unit recognized by Government of India

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Research
- Introduction of OSCARs
- Wet Lab
- OSCEs for UG & PG
-

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- **Community work:** Strong presence in Community work. Awareness, screening activities at community level on a day to day basis
- **The only government sector centre in Vidarbha region/ Central India providing Refractive surgery (LASIK)**
- **Faculty:** Adequate, Trained in various sub-specialities, Trained and specialized in Education Technology
- **Equipment/ Infrastructure:** Teaching instruments and state-of-the-art machines, Phaco-wet lab (underway)

Weaknesses: Greater thrust on research work needs to be established.

Opportunities: For operational Research, Community oriented projects.

Challenges: For undertaking and execution of National and International level of Projects.

52. Future plans of the department.

Short Term: Execution of the International Project: Screening of Diabetic Retinopathy under Queen Elizabeth Trust, London in Collaboration with Indian Institute of Public Health

Intermediate Term: Lions Club International has sanctioned funds for upgrading the department as a District level centre for Cataract and Blindness control.

Long Term: To make the department a Centre for Excellence. To provide Fellowship training and to become a centre for execution of national and International level programs.

ANNEXURES FROM OPHTHALMOLOGY

ANNEXURE – IA: PUBLICATIONS:

1. Sonu Lohiya, Smita Singh, Ruchita Attal, S Basak Utility of Donor Rim Culture: A Study in Tertiary Care Hospital Located in Rural Area Journal of Clinical and Diagnostic Research. 2011 June, Vol-5(3): 589-591 ISSN-
2. Kothari Ruchi, Singh Ramaji, Singh Smita, Bokariya Pradeep, The potential use of Pattern Reversal Visual Evoked Potential for detecting and monitoring Open Angle Glaucoma Current Neurobiology-2012; 3 (1): 39- 45 ISSN 0975- 9042 Accepted Nov. 14-2011
3. SonuLohiya, Smita Singh, Ruchita Attal, S Basak Utility of Donor Rim Culture: A Study in Tertiary Care Hospital Located in Rural Area Journal of Clinical and Diagnostic Research. 2011 June, Vol-5(3): 589-591 ISSN-
4. Kothari Ruchi, Singh Ramji, Singh Smita, Bokariya Pradeep. The Potential Use of Pattern Reversal Visual Evoked Potential for Detecting and Monitoring Open Angle Glaucoma. Current Neurobiology 2012; 3 (1): 39-45 ISSN 0975-9042
5. Ruchi Kothari, Smita Singh, Ramji Singh, Pradeep Bokariya. The value of VEP in the diagnosis and post-operative monitoring of Pituitary macro-adenoma.Int J Biol Med Res. 2012; 3(4): 2542-2544
6. Ruchi Kothari, Ramji Singh, Smita Singh, Pradeep Bokariya. Occurrence of “W” Pattern in visual evoked potentials of Primary Open Angle Glaucomatous patients. Current Neurobiology 2012; 3 (2): 123-128 ISSN 0975-9042
7. Ruchi Kothari, Pradeep Bokariya, Smita Singh, Ramji Singh. Significance of Visual Evoked Potentials in the Assessment of Visual Field Defects in Primary Open-Angle Glaucoma: A Review. Neuroscience Journal, vol. 2013, Article ID 418320, 6 pages, 2013. doi:10.1155/2013/418320
8. Ruchi Kothari, Pradeep Bokariya, Ramji Singh, Smita Singh. Influence of Refractory Error on the Pattern Reversal VEPs of Myopes and Hypermetropes. International Journal of Physiology Jan-Jun 2013; 1(1):57-61

9. Ruchi Kothari, Ramji Singh, Smita Singh, Pradeep Bokariya. Effect of head circumference on parameters of pattern reversal VEP in healthy adults of central India. Nepal Medical College Journal 2012;14(2):75-79
10. Ruchi Kothari, Ramji Singh, Smita Singh, Pradeep Bokariya. Association of Pattern Reversal VEP Parameters with the Mean Defect of Humphrey Visual Field in patients of Primary Open Angle Glaucoma Indian Journal of Physiology and Pharmacology April –June 2013; 57(2):123-131 [PMID: 24617161]
11. Ruchi Kothari, Pradeep Bokariya, Purvasha Narang, Pooja Batra, Ramji Singh, Smita Singh. Visual evoked potentials in male patients of primary open angle glaucoma and age matched control males. Innovative Journal of Medical and Health Science May- June 2013; Volume 3 (Issue No.3):127-130
12. Kothari Ruchi, Singh S, Singh R, Premendran B. Abnormal Pattern Visual Evoked Response in Carotid-Cavernous Fistula- A Case Study of Post traumatic Proptosis. Journal of Neurosciences in Rural Practice 2013 August; Volume 4 Supplement 1: S143-S145 [PMID: 24174789]. doi: 10.4103/0976-3147.116474
13. Ruchi Kothari, Smita Singh, Pradeep Bokariya, Ramji Singh. Association of height with pattern reversal visual evoked potentials. Asia Pacific Journal of Ophthalmology July/August 2013; 2: 221-226
14. Ruchi Kothari, Pradeep Bokariya, Smita Singh, Ramji Singh. Comparison of visual evoked potential components in female patients of primary open angle glaucoma with age matched control females. Delhi Journal of Ophthalmology July-September 2013; 24(1):28-33
15. Ruchi Kothari, Smita Singh, Pradeep Bokariya, Ramji Singh. Reply to the letter to the Editor regarding the article entitled “Association of Height with Pattern Reversal Visual Evoked Potentials. Asia Pacific Journal of Ophthalmology Sep/Oct 2013; Volume 2 (Issue 5):350
16. R. Kothari, P. Bokariya, S. Singh, P. Narang, R. Singh Normative Data of Peak Latencies of N70, N155 Waves and Inter-Peak Latency of Pattern

Reversal Visual Evoked Potentials in Central Indian population. International Journal of Basic & Applied Medical Sciences September-December 2013;3 (3):180-185

17. Ruchi Kothari, Pradeep Bokariya, Smita Singh, PurvashaNarang, Ramji Singh. Refractive errors and their effects on visual evoked potentials – a review. Journal of Clinical Ophthalmology and Research Jan-Apr 2014; 2:3-6.
18. Ruchi Kothari, Pradeep Bokariya, Smita Singh, Ramji Singh, PurvashaNarang. Correlation of Pattern Reversal Visual Evoked Potential Parameters with the Pattern Standard Deviation in Primary Open Angle Glaucoma. International Journal of Ophthalmology 2014; Volume 7, Number 2: 326-329. [PMID:24790879] [Published online Apr 18, 2014doi:10.3980/j.issn.2222-3959.2014.02.24 PMID:PMC4003091]
19. Singh S, Shukla AK, Hingorani-Bang P, Bonde S. Development of clinical skills in ophthalmology: Significance of objective structured clinical examinations. Astrocyte 2014;1:222-7. ISSN: 2349-0977

ANNEXURE– IV C: WORKSHOPS ATTENDED

- Dr. Smita Singh
Intensive LASIK Surgery Training at New Vision Laser Centre, Vadodra, Gujarat on December 14 -15 2012.
- Workshop on Vitreo Retinal Surgery held on 28th July 2013 at MGIMS Sevagram, Faculty Dr. Vastal Parekh & Dr. Chetna Parekh, Dr. A. K. Shukla
Participants : Dr. Smita Singh, Dr. AjabDhabarde, Dr. Sonu Lohiya, Dr. Puja Bang, Dr. PurvashaNarang, Dr. Saurabh Deshmukh, Dr. Sheetal Hastak, Dr. Garima, Dr Atul, Dr. Shruti, Dr. Nitu, Dr. Roshani, Dr. Sneha, Dr. Pratima, Dr. Anshul
- National- Faculty and Resource person at Pre-Conference Workshop at NCHPE2014 on “How to design, implement and assess a competency based curriculum” on 25th September 2014 at MGIMS , Sevagram
- Dr AK Shukla
Faculty and Resource person at Basic Course Workshop on Medical Education Technology held from 20th to 22nd January , 2015 at MGIMS , Sevagram

- DrSmita Singh
International -Faculty and Resource Person- Pre-Congress workshop on "Shifting Paradigms-Competency based Curriculum in Ayurveda" at 6th World Ayurveda Congress (WAC) 2014. On 6th November 2014
- Dr. Smita Singh GSMC – FAIMER REGIONAL INSTITUTE MUMBAI Faculty Development Program Session on Micro-teaching on 11th June 2013 at GSMC & KEM Hospital as National Faculty
-
- Dr. Smita Singh resource person for preparing document on Competency based curriculum in Ophthalmology at MCI New Delhi, November 2013
-
- MOSCON 33rd Annual Conference of Maharashtra Ophthalmic Society on 25th – 27th October 2013 hotel Centre Point Nagpur attended by following Dr. A. K.Shukla, Dr. Smita Singh, Dr. AjabDhabarde, Dr. PurvashaNarang, Dr. Garima Chaudhary, Dr. AtulGawande, Dr. ShrutiMaliye, Dr. NituKhadse, Dr. RoshaniRamteke, Dr. Sneha Gupta, Dr. PratimaChavhan, Dr. Anshul Singh
-
- Dr. A. K. Shukla & Dr. Smita Singh attended Intraocular Implant & Refractive Society, India Annual Conference held on 7th& 8th September 2013 in Delhi
-
- Dr. Smita Singh attended NCHPE 2013 from 24th to 27th September 2013 at Seth GSMC and KEM Hospital Mumbai
-
- Dr. Smita Singh attended DAFFRI Meeting for FAIMER Regional institutes faculty meeting at GSMC and KEM Hospital Mumbai on 23rd September 2013

Workshops Conducted

- Dr. Smita Singh participated as faculty in entitled workshop on Team Building Skills on 25th September 2013 at Seth GSMC and KEM Hospital Mumbai.
- Dr. Smita Singh faculty in Workshop on MCQ construction held on 8-9 March 2013 with DrTejinder Singh as (lead faculty), at MGIMS, Sevagram
- Dr. Puja Bang E-Learning 4 week workshop (June to August 2015)

Workshops Attended

- Dr. Smita Singh attended Workshop on Leadership Skills conducted by Professor Janet Grant at Seth GSMC and KEM Hospital Mumbai on 11th June 2013
- Dr. Smita Singh attended Workshop on Curriculum Planning and Innovations held on 20/12/2013 by Dr. Thomas Chacko at MGIMS Sevagram Code. No. MMC/Accre.Cert/Med-0102/2013 dated 06/08/2013
- Dr. Smita Singh attended a workshop entitled Interprofessional Education held on 25th September 2013 in preconference workshop of NCPHE 2013 at Seth GSMC and KEM Hospital Mumbai
- Dr. A. K. Shukla attended CME entitled Captivating Cornea on 19th May 2013 at NKP Salve Institute of Medical Sciences & Research Center, Nagpur
- Dr. Smita Singh attended Workshop on Leadership Skills conducted by Professor Janet Grant at Seth GSMC and KEM Hospital Mumbai on 11th June 2013
- Dr. Smita Singh attended Workshop on Curriculum Planning and Innovations held on 20/12/2013 by Dr. Thomas Chacko at MGIMS Sevagram Code. No. MMC/Accre.Cert/Med-0102/2013 dated 06/08/2013
- Dr. Smita Singh attended a workshop entitled Interprofessional Education held on 25th September 2013 in preconference workshop of NCPHE 2013 at Seth GSMC and KEM Hospital Mumbai
- Dr. A. K. Shukla attended CME entitled Captivating Cornea on 19th May 2013 at NKP Salve Institute of Medical Sciences & Research Center, Nagpur
- Dr. Puja Bang E-Learning 4 week workshop (June to August 2015)
- Dr. Puja Bang Building Block workshop

ANNEXURE IV A: CONFERENCES ATTENDED

- Annual Conference of Bombay Ophthalmic Society, August- 2011
- Dr. A. K. Shukla, Dr. Smita Singh, Dr. AjabDhabarde and Dr. SonuLohiya, Dr. Shamala Pazare :37th Annual Conference of Vidarbha Ophthalmic Society. Organized by Yavatmal District Ophthalmic Society on 3, 4 November 2012 (Oculus 2012) :
- Dr. AjabDhabarde, Dr. SonuLohiya and Dr. Shamala Pazare. Annual Conference of All India Ophthalmological Society Hyderabad, Jan 2013
- Recurrence of Basal Cell Carcinoma in a Skin Graft and Extension to Other Eye- a case Report : Dr. G Chaudhary, Prof. A.K Shukla, Dr. R Narang, Prof. S. Singh, Dr. S. Lohiya, Dr. P. Narang, Dr. S. Maliye poster presented at MOSCON 33rd Annual Conference of Maharashtra Ophthalmic Society held on 25th – 27th October 2013, Nagpur.

- Smita Singh, AK Shukla, Puja Bang,SnehalBonde
Improving Clinical Skills in Ophthalmology at MGIMS Sevagram using OSCE's National Conference NCHPE2014 on on 26th September 2014 at MGIMS , Sevagram
- Faculty and In-charge of Interactive Poster session at National Conference NCHPE2014 on on 26th September 2014 at MGIMS , Sevagram

ANNEXURE VII: PAPER PRESENTATIONS

- V Vats,P Kumari, SSingh, A K Shukla,ADhabardeMucopolysaccharidosis : a multisystem disease. The Journal of Mahatma Gandhi Institute of Medical Sciences. Volume 17,Number1, 65-66 March 2012 ISSN-0971-9903
- Paper presented in 37th annual conference of Vidarbha Ophthalmic Society. Organized by Yavatmal District Ophthalmic Society on 3, 4 November 2012 (Oculus 2012) :
- “Screening for blindness due to glaucoma in a rural population “-Rhutuja Deo, **Smita Singh, A.K.Shukla**
- Poster presented in 37th annual conference of Vidarbha Ophthalmic society. Organized by Yavatmal District Ophthalmic Society on 3, 4 November 2012 (Oculus 2012) :
“Intraocular Foreign body –Pencil stuck to the Iris: a rare presentation of Ocular Trauma” **Smita Singh, Saurabh Deshmukh**
- Utility of visual evoked potential in the diagnosis and post-operative monitoring of pituitary macro-adenoma Ruchi Kothari, Smita Singh, PurvashaNarang, Pradeep Bokariya, Ramji Singh, A.K. Shukla, Garima Chaudhary, presented at CME of Neuro ophthalm held on 6th October 2013 at DattaMeghe Institute of Medical Sciences, SawangiWardha
- P100 attributes of pattern reversal visual evoked potentials in patients of Primary Open Angle Glaucoma Ruchi Kothari, Pradeep Bokariya, **Smita Singh, PurvashaNarang, Ramji Singh, A.K.Shukla**, won best paper award presented at CME of Neuro-ophthalmology held on 6th October 2013 at DattaMeghe Institute of Medical Sciences, SawangiWardha

- **Dr. Smita Singh** attended short term Training in Phacoemulsification (Hands on Surgery) on Advance Phacoemulsification system at Dr. Shroff Charity Eye Hospital, New Delhi from 2nd to 14 September 2013,
- Paper presented titled “Improving Clinical Skills in Ophthalmology at MGIMS Sevagram using OSCE’s” by **Smita Singh, AK Shukla, Puja Bang, SnehalBonde** at National Conference NCHPE2014 on 26th September 2014 at MGIMS , Sevagram
- Presentation on Basic Ocular Trauma in Workshop on Basic Trauma Care held on 09 March 2012 at MGIMS, Sevagram
-
- GSMC – FAIMER REGIONAL INSTITUTE MUMBAI Faculty Development Program Session on Microteaching on 12th June 2012at GSMC & KEM Hospital - Faculty -Dr Smita Singh

DEPARTMENT OF MEDICINE

1. Name of the Department : **Medicine**
2. Year of establishment : **1970**
3. Is the Department part of a college/Faculty of the university?
Yes. Department is part of faculty of University (Medical)
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)
 - **MBBS**
 - **MD in General Medicine.**
 - **Post Graduate Diploma in Geriatric Medicine (IGNOU)**
 - **Certificate Course in Evidence Based Diabetes Management (CCEBDM) by Dr. Mohan`s Diabetes Education Academy, International Diabetes Federation**
 - **PhD courses in Medicine by RTM Nagpur University**
5. Interdisciplinary programs and departments involved
Clinicopathological meet is held with Department of Pathology on every first Thursday of every alternate month. Clinicoradiological meet is held with Department of Radiology on last Friday of every alternate month.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. – **Nil**
7. Details of programs discontinued, if any, with reasons – **Nil**
8. Examination System: Annual
9. Participation of the department in the courses offered by other departments
Medical Officer Certificate Course (MOCP) for doctors posted in PHCs under NRHM Scheme
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (Including CAS & MPS)
Professor	3	5	5
Associate Professor/Reader	3	3	3
Assistant Professor	5	4	4
Tutor / Clinical Instructor	-	-	-
Senior Resident	6	5	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. UN Jajoo	MD (Med)	Professor	Medicine	42 Yrs
Dr. SP Kalantri	MD (Med), MPH	Professor	Medicine	35 Yrs
Dr. Jyoti Jain	MD (Med), PGDGM, CCEBDM	Professor and Head	Medicine	17.3 Yrs
Dr. Bharati Taksande	MD (Med), PGDGM	Professor	Medicine	10.7 yrs
Dr. Ashish Satav	MD(Med)	Professor	Medicine	20.8 yrs
Dr. Amrish Saxena	MD (Med)	Asso. Professor	Medicine	14.4 Yrs
Dr. Samir Yelwatkar	MD (Med), PGDGM, CCDM	Asso. Professor	Medicine	8 yrs
Dr. Vishakha Jain	MD (Med) PGDGM	Asso. Professor	Medicine	7 yrs
Dr. Ajay Lanjewar	DCDT, DNB	Asso. Professor	TB and Chest	8 yrs
Dr. Sumedh Jajoo	MD (Med), PGDGM	Asst. Professor	Medicine	9 Mths
Dr. Tarun Rao	MD (Med), PGDGM, CCEBDM	Asst. Professor	Medicine	2.3 yrs
Dr. Atul Rajput	MD (Med), PGDGM	Asst. Professor	Medicine	1 year
Dr. Tejvir Singh	MD (Med)	Asst. Professor	Medicine	9 months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Dr. OP Gupta – Emeritus Professor

Dr. AP Jain - Emeritus Professor

13. Percentage of classes taken by temporary faculty – program-wise information

No Temporary Faculty

14. Program-wise Student Teacher Ratio

Undergraduate program: 1 : 10

Post Graduate Programme: 1 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual-

Sr. No.	Name	Designation
1	Mr. Prashant Raut	ECG Technician
2	Mr. Amit Uge	Dialysis Technician
3	Mr. Akshep Ramteke	Cath Lab Technician
4	Mr. Vaibhav Dukare	Jr. Clerk
5	Mr. Prakash Dambhare	Jr. Clerk

16. Research thrust areas as recognized by major funding agencies-

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. – Nil

18. Inter-institutional collaborative projects and associated grants received

- f) National collaboration- Nil b) International collaboration - Nil

Sr. No.	Name of the study	Principal Investigator	Funded by	Funding amount (Rs)
1	HOPE 3 : Heart outcomes prevention Evaluation	Dr SP Kalantri Dr. S Yelwatkar	Population Health Research Institute, St. John's Medical College Bangalore.	62,00,000
2	INSPIRE : Indian Stroke prospective Registry	Dr SP Kalantri	Population Health Research Institute, St. John's Medical College Bangalore.	3,00,000
3	INTERSTROKE: An Indian Pilot Case-Control Study to determine the Importance of Conventional and Emerging Risk Factors for stroke.	Dr Vishakha Jain	Population Health Research Institute, St. John's Medical College Bangalore.	33,40,000
4	SPREAD study: A randomized controlled trial in	Dr SP Kalantri	Population Health Research Institute, St. John's Medical	3,23,000

	secondary prevention of acute coronary syndrome.		College Bangalore	
5	PREPARE study: A household-level cluster-randomized trial to evaluate primary prevention interventions in CVD in three rural communities (population of 15,000)	Dr SP Kalantri Dr. S Yelwatkar	Population Health Research Institute, St. John's Medical College Bangalore	3,00,000
6	DIABETES STUDY: A randomized open trial comparing structured community health worker interventions to standard care in Type 2 Diabetes Mellitus Patients.	Dr. Vishakha Jain	Population Health Research Institute, St. John's Medical College Bangalore	3,20,000

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
20. Research facility / centre with
 - state recognition- MUHS
 - National recognition – MCI, NAAC
 - international recognition -
21. Special research laboratories sponsored by / created by industry or corporate bodies – **Nil**
22. Publications:
 - * Number of papers published in peer reviewed journals (national / international)

ANNEXURE 1 ATTACHED

- * Monographs Vijay series
 1. Fundamental Issues in Bio-Medical Ethics
 2. Pashaghat aap kya kare
 3. Miragi Per Kabu Paye
 4. Asthma Awam COD
 5. Ayushaycha Sandhyakali
 6. Kidney ke Marijo ke liye ahar babat mahatwapurna Jankariya
 7. Madhume per Vijay
 8. Raktdab par vijay

- * Chapters in Books
Dr. Vishakha Jain, Medicine ICU Manual, ISBN No. 81-8191-064-8,
Paras Medical Publisher,
Dr. Vishakha Jain, Textbook of Family Medicine ISBN No.
9788181912657, Paras Medical Publisher,

- * Books edited : **Books Edited by Dr A P Jain :Clinical Examination in**

Sr. No.	Book Name	Publisher	ISBN Number
1	Medicine ICU Manual	Paras	81-8191-064-8
2	Textbook of Family Medicine	Paras	9788181912657
3	Fundamental Issues in Bio-Medical Ethics	MGIMS, Sevagram	--
4	Clinical Examination in Medicine	Paras	81-8191-031-1

- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact Factor – range / average
- * h-index

Names of Faculty	h-index	Citations
Dr. OP Gupta	9	333
Dr. AP Jain	10	380
Dr. UN Jajoo	11	415
Dr. SP Kalantri	28	3318
Dr. Jyoti Jain	2	17
Dr. Bharati Taksande	5	187
Dr. Ashish Satav	2	7
Dr. Amrish Saxena	3	32
Dr. Samir Yelwatkar	2	9
Dr. Vishakha Jain	4	60
Dr. Ajay Lanjewar	0	0
Dr. Sumedh Jajoo	1	5
Dr. Tarun Rao	0	0
Dr. Atul Rajput	1	7
Dr. Tejvir Singh	0	0

23. Details of patents and income generated **NIL**
24. Areas of consultancy and income generated
Institute policy does not permit any extra financial income
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad – **Nil**
26. Faculty serving in
a) National committees b) International committees c) Editorial Boards d) any other (specify)-
- **Prof. OP Gupta**
 - Editor in Chief - Journal of MGIMS
 - Member of Institutional Ethics Committee
 - Chairperson, Ethics Committee, Kasturba Nursing College
 - **Prof. AP Jain**
 - Curriculum Committee
 - Core committee
 - Journal of MGIMS
 - **Prof. UN Jajoo**
 - Incharge health insurance scheme
 - Member of Post graduate admission committee
 - Member of post graduate students committee
 - Member of financial assistance (students) committee
 - Member of Rural placement committee
 - **Prof. SP Kalantri**
 - Medical Superintendent, Kasturba Hospital, Sevagram
 - Core Committee
 - Institute Website
 - Drug purchase committee
 - Member of financial assistance (students) committee
 - Member of financial assistance (Employees) committee
 - Research advisory committee
 - Editorial Board: MGIMS Bulletin
 - Editorial Board: Journal of MGIMS
 - Editorial board: BioMed Central Cardiovascular Disorders
 - **Prof. Bharati Taksande**
 - Member of MGIMS Ethics Committee

Dr. Samir Yelwatkar

- Member of Bioethics Core Committee

• **Dr. Vishakha Jain:**

- Assistant editor Journal of MGIMS
- Member of the committee for rural placement scheme
- Member of Medical Education Unit
- Member of E-learning Initiative

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Workshops :-

1. **Theme** : National Programme for Prevention and Control of Cancer, Diabetes, Cardio-Vascular Diseases & Stroke
Organizing Secretary : Government of India initiated
Date : 15 April 2014 to 7 May 2014 (4 sessions)
No. of delegates : 60
Key topics : Epidemiology of non communicable disease, risk factors, Diabetes mellitus and its management, hypertension and its management, stroke and its management, coronary artery disease and its management
Resource persons : Dr Amrish Saxena, Dr Samir Yelwatkar, Dr Vishakha Jain, Dr Sachin Agrawal and Dr Tarun Rao
2. **Theme** : Workshop on Literature search
Organizing Secretary : Dr UN Jajoo
Date : 27th February 2015
No. of delegates : 60
Key topics : PubMed search, review of literature
Resource persons : Dr Pradeep Deshmukh, Dr Jyoti Jain
3. **Theme** : **International CME and workshop on Critical Care – 2014**
Organizing Secretary: Dr UN Jajoo
Date : 25th and 26th December 2014
No. of delegates : 60
Key topics : Assessment of the seriously ill patient, Acute respiratory failure, Airway management and airway obstruction,

Mechanical ventilation, Transport of critically ill, Basic hemodynamic monitoring, Shock, Oliguria and acute renal failure, Severe sepsis and septic shock, Severe trauma, Neurological emergencies, Sedation, nutrition, DVT and stress ulceration, How to maintain good quality intensive care in resource constraint settings.

Resource persons : Dr Saswati Sinha, Dr Gopal Taori, Dr Vaishali Solao, Dr Dhiraj Bhandari

4. Theme : CME on Diabetes Mellitus ‘Life in Diabetes’

Organizing Secretary : Dr. Bharati Taksande

Date : 11th & 12th July 2015

No. of delegates : 40

Resource persons : Dr. Tejal Lathia

28. Student projects

- percentage of students who have taken up in-house projects including inter-departmental projects pg students

percentage of students doing projects in collaboration with other universities / industry / institute : **In house projects: 100% Post graduates (Annexure 2 Attached)**

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

31. Code of ethics for research followed by the departments - All projects are presented and approved by Institutional Ethics committee

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES	12871	46%	54%		
(I MBBS) 2015					
(I MBBS) 2014	15555	48%	52%		
(I MBBS) 2013	8119	53%	47%		
(I MBBS) 2012	16003	52%	48%		
(I MBBS) 2011	12518	51%	45%		
Post Graduates					

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2015	247	20%	80 %	20%	80 %
2014	265	20%	80 %	20%	80 %
2013	191	75%	25%	75%	25%
2012	149	75%	25%	75%	25%
2011	205	75%	25%	75%	25%

33. Diversity of students: MUHS Students are selected from all over country through entrance examination.

Similarly Post Graduate students are selected from these students.

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Undergraduates (MBBS)	selected through CET from all over the country			-
Postgraduates (MD Medicine)	26(100 %)			NIL

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. - NA

35. Student progression: Not applicable

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	21%

from other universities within the State	57%
from universities from other States	42%
from universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Dr. AP Jain , Nagpur University December 1990

Dr SP Kalantri, MPH (Epidemiology) University of California, Berkeley, USA (2005)

38. Present details of departmental infrastructural facilities with regard to

a) Library **Separate departmental Library with 125 books. Annexure 3 Attached**

b) Internet facilities for staff and students
Available (Wi Fi facility is available in Campus and in department)

c) Total number of class rooms
Five well equipped theaters for taking theory classes, one demonstration lecture hall is available

d) Class rooms with ICT facility and ‘smart’ class rooms
All available class rooms are smart class rooms. All the lecture galleries are airconditioned and have all the features of smart class room with over head LCD projector , sound systems etc

e) Students’ laboratories
Available

f) Research laboratories
Available

39. List of doctoral, post-doctoral students and Research Associates

b) from the host institution/university - Nil

c) from other institutions/universities – Nil

40. Number of post graduate students getting financial assistance from the university. : Students received Rs 25000 each from KHS Research Committee to conduct thesis work

- i. Dr. Sheetal Bodkhe
- ii. Dr. Shital Ingale
- iii. Dr. Piyush Kodgirwar
- iv. Dr. Madhura Chaudhari
- v. Dr. Dhiraj Deshmukh
- vi. Dr. Sachin Nage

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology : **This exercise is undertaken**

at the level of MUHS. The staff members who are on Board of Studies represents our feedback to the university.

42. Does the department obtain feedback from
- d. faculty on curriculum as well as teaching-learning-evaluation? **Yes**, Faculty feedback is taken in departmental meeting with Head of the department and present status is assessed.
 - e. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **Yes, Student on staff feedback taken at college council, faculty discussion, curriculum committee and also by IQAC.**
 - f. alumni and employers on the programs offered and how does the department utilize the feedback?
Alumni give feedback on curriculum, teaching learning evaluation during their visit in alumni meet.
43. List the distinguished alumni of the department (maximum 10)
- Dr Krishan Kumar Aggarwal, Cardiologist. Recipient of Padma Shri (2010), National President of the Indian Medical Association (2016-17), Dr. BC Roy National Award (2005)
 - Dr Mihir Wechlekar: Rheumatologist, Adelaide. Australia.
 - Dr Ashish Balla, Professor of Medicine, PGI Chandigarh
 - Dr Anant Mohan, Professor of Pulmonary Medicine, AIIMS, New Delhi
 - Dr Rajnish Joshi, Assistant Professor, Medicine, AIIMS, Bhopal
 - Dr Pravas Mishra, Hemato-oncologist, Associate Professor, AIIMS, New Delhi
 - Dr Awadh Kishore Pandit, Neurologist, New Delhi
 - Dr Skand Trivedi, Cardiologist, Bhopal
 - Dr Mamta Joshi, Senior Clinical Fellow in Endocrinology & Diabetes Guys & St Thomas Hospital, London
 - Dr Dhanraj Singh Chongtham, Professor of Cardiology, Regional Institute of Medical Sciences, Lamphelpat, Imphal, Manipur
 - Dr Tejal Lathia-Sontakke, Endocrinologist, Mumbai
 -
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
- a. **Common academic program is organized by the Department of**

Medicine every Thursday of the week where in all the academic departments of the college, hospital take active part by rotation and present focused special lecture on interesting topics for one hour between 08:00 AM and 09:00 AM.

- b. Seminars, journal clubs and subject review sessions are conducted six times every week from Monday to Saturday for one hour between 03:00 PM and 04:00 PM. The post graduate students present previously allotted topics under the guidance of faculty.**
 - c. Every Wednesday faculty take a lecture for one hour between 08:00 a.m. and 09:00 am. on the topics of interest in their specialty.**
 - d. Periodically and in preparation for university exam special classes are conducted for both UGs and PGs on examination oriented topics like radiology, procedures and instruments, pathology etc**
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Undergraduate teaching

- a. Lectures are conducted, semester wise, in ideal learning environment, in the well equipped air-conditioned class rooms with LCD projector sound system etc by the senior faculty**
- b. All such class room lectures are made available for the students in the form of power point presentations for revision and to reinforce learning**
- c. Diagrams, graphics, and animations form part of didactic lectures to make the learning pleasurable and easy.**
- d. The basic sciences education completed by the students earlier and hence the applied aspect of relevant basic sciences is provided at the beginning of each lecture to refresh the memory of the student.**
- e. Always concrete examples are provided to illustrate abstract principles.**
- f. The learning needs of each group of students is assessed and the lectures are modified accordingly.**
- g. Informal formative assessment during the lecture is carried out by the faculty and any doubts and clarifications are cleared.**
- h. Small group teaching is undertaken daily in the Clinical (bedside) teaching where the faculty student ratio is kept at 1: 5 to 1:10.**
- i. Impetus is given in the clinical teaching for Do and learn**
- j. In this small group teaching the learning needs of each student is individually assessed by the faculty and the instruction modified to suit the individual student.**
- k. Importance is also given for developing the bedside manners, compassion**

and professionalism in such small group teaching.

Post graduate teaching:

- a. **Emphasis is given for self directed learning through facilitatory technique rather than one sided teaching by faculty through didactic lectures**
 - b. **Students are encouraged to find the knowledge source and learn from such sources, to teach them the principle of lifelong learning**
 - c. **Small group discussions, seminars , subject reviews are conducted regularly under the guidance of senior faculty**
 - d. **Students are introduced to basic research skills and are made to write a dissertation on the clinical questions raised by them, as a prerequisite for taking the post graduate examination.**
 - e. **Work based, skill based and competency based learning is facilitated by the faculty.**
 - f. **Students are encouraged to work and learn in a multidisciplinary environment so that they learn to work in a collaborative environment when they start practicing after passing out**
 - g. **All through their MD thesis work, we teach how to collect, enter and clean the data; how to analyse data and how to interpret data.**
 - h. **We also teach postgraduates how to use EndNote reference library to generate bibliography and cite references in their thesis and publications**
 - i. **We also teach postgraduates how to use UpToDate- an evidence based reference book at the point of care to ensure that they use rational and evidence based diagnostics, interventions, prognostic tool in their patient care.**
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- a. **Each faculty in the department assesses the learning needs of each student individually and suitably modifies instruction to suit the needs of individual students.**
 - b. **formative assessment is carried out during each class, whether it is classroom or clinical environment and students with special learning needs are given additional instruction or modify the teaching methods to suit their learning capacities.**
 - c. **positive feedback is given to each student in the small group teaching like clinics depending on the formative assessment and summative assessment.**

47. Highlight the participation of students and faculty in extension activities.
Blood Donation Camp, Gandhi Memorial Leprosy Foundation, Melghat Hospital, Diagnostic Camp, Diagnostic Camp under Rajiv Gandhi Jeevandayi Yojana
48. Give details of “beyond syllabus scholarly activities” of the department.
 E learning, Research Projects,
- **Take Part at Vidarbha level Quiz**
 - **Research project & publication outside MGIMS.**
 - **Research methodology workshop attended by all the faculty**
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. – **MUHS, MCI**
MBBS – Approved by MCI and MUHS in 22.04.1976
MD (Medicine) – Approved by MCI and MUHS in July 1980
 Date of MBBS recognition by MCI: 1976
 Date of MD recognition by MCI: July 1980
 Date of last inspection of
 MCI: 05-02-2016
 MUHS: 02-03-2015
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
The department strives to contribute to new knowledge by:
- a. Encourage the PGs to undertake research activity in choosing the topics for their dissertation**
 - b. the faculty undertakes clinical research and publishes papers in various scientific journals**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
 Strengths
- **The department has state of the art infrastructure: Fully equipped intensive care (26 bedded) and cardiac care unit (10 beds). The Department has an inbuilt X ray room, ECG and echocardiography rooms, Nerve conduction velocity room which help in smooth functioning. Alongwith this, the department runs OPD in 5 rooms with a specialty OPDs running simultaneously. There is also an intradepartmental laboratory for basic microscopic examinations of the body fluids.**
 - **Dedicated faculty with over 160 years of collective experience.**
 - **Regular interactive PG meets for ensuring academic excellence.**

- Round the year consultation support to a hospital 350 km from Sevagram in a resource limited setting: Dr Sushila Nayar Hospital at Utavali, Melghat.
- The entire campus enjoys Wifi connectivity. All students, residents and faculty have free and unlimited access to other knowledge sources like UpToDate, electronic journals (BMJ, JAMA, Lancet, New Eng J Med, Annals of Int Med) .

Weaknesses:

- Because we work in a village, and recruit full time teachers who stay on campus and do not practice privately, it is getting increasingly difficult to recruit and retain faculty. This is also one of the reasons we have not been able to develop superspeciality at Sevagram. The cath lab is functional because of visiting cardiologists from Nagpur.

52. Future plans of the department.

- To develop online teaching and E learning modules covering all subjects in both the undergraduate and post graduate medical education program in General Medicine.
- To improve student centered teaching
- To develop and maintain MCQ question banks
- To develop program to teach various examination techniques to prepare students for the competitive examination.
- To establish research facility in-house for encouraging the faculty to publish their work
- To establish center of excellence for common general diseases like fever, diabetes, Hypertension, Poisoning etc

ANNEXURES FROM MEDICINE

ANNEXURE IA: PUBLICATIONS

1. Kalantri A, Kalantri S. Distinguishing haemorrhagic stroke from ischemic stroke (letter). JAMA. 2010; 22; 304(12):1327-8. [PMID: 20858876](#)
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16. Jain VV, Yelwatkar S, Jain J. Dabigatran Etexilate—A Direct Thrombin Inhibitor. *J Mahatma Gandhi Inst Med Sci*2011, 16, No (i) 60-63.

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18. Rao S, Siddharth, Jain VV, Gupta DO. Type 2 Diabetes Mellitus – Exploring the avenue of Bariatric surgery. *J Mahatma Gandhi Inst Med Sci*2011; 6(i):5-9
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ANNEXURE VIII: MD THESES

- **Dr. Parimal Tayade:** Screening strategies for identification of chronic obstructive pulmonary disease in the geriatric population of rural central India: A population based study.
- **Dr. Anjali Joshi :** Drug resistance pattern in bacillary and abacillary (radiologically diagnosed sputum smear negative but culture positive) pulmonary tuberculosis.
- **Dr. Vikas Karvasara :** Diagnostic accuracy of rapid diagnostic test for Leptospirosis.

- **Dr. A Rawool** : Clinico-endoscopic profile with upper gastrointestinal bleed : Ahospital based study.
- **Dr. Sumedh Jajoo** : Pattern and problems of pesticide poisoning in a teaching rural hospital:A retrospective analysis of hospital based data.
- **Dr. Harshal Pawade**: Revisiting and evaluating different criteriatio differentiate between transudative and exudative effusions.
- **Dr. Shailesh Badole**: Risk factors for chronic liver disease in rural population in central India: Acase control study.
- **Dr. Iadarilang Tiewsoh**: Risk factors for chronic disease in rural population of central : Acase control study.
- **Dr. Mohit Tandon** : Prevalence of hypertension in central rural India
- **Dr. Shailesh Badole** :
- **Dr. Tarun Rao** : Prevalence of metabolic syndrome in students of medical college – an observational study
- **Dr. Benjaminæ Khingle** : Diagnostic accuracy of portable hemoglobin measurement devices and evaluation of their use for community based Anemia detection.
- **Dr. Ajit Shrivastava** : Accuracy of history and physical examination to detect acute myocardial infarction – A hospital based diagnostic accuracy study.
- **Dr. Vinita Singh** : Prevalence of severe anamia in rural adult population around sevagram
- **Dr. Priyanka Chaudhari** : Prevalence of Diabetes in rural central India
- **Dr. Vina Lakhotiya** : Predictors of mortality of stroke.
- **Dr. Monika Kumari** : Profile of Type2 Diabetes Mellitus in special reference to Subclinical hypothyroidism in tertiary care hospital – An observational study.
- **Dr. Atulsingh Rajput** : Diagnostic accuracy of ADA in serous effusions
- **Dr. Nitin Verma** : Gamma glutamyl transferase level in acute coronary syndrome : An observatinal study
- **Dr.Prashanti Niwant**: Study to detect early chronic kidney disease in high risk group
- **Dr. Shital Bodake** : Prevalence of Ischemic heart disease in rural community in central India
- **Dr. Shital Ingale**: Triglyceride, High Lipoprotein, low density lipropeotin and total cholesterol in the elderly population above 60 years of age in central rural India.
- **Dr. Rajdeep Nath**: Magnitude and determinants of restless leg syndrome in patients of chronic kidney disease.
- **Dr. Tushar Sontakke**: Predictions of mortality in patient hospitalized with pesticide poisoning.

- **Dr. Urvashi Jain:** Predictors of 30 day mortality and disability in patients admitted with acute incident stroke.
- **Dr. Piyush Khodgirwar:** Prevalence of Nephropathy among adults in central rural India screened by proteinuria.
- **Dr. Ningthoukhonjam Reema:** A study of Magnitude and correlates of altered bone mineral density in type 2 Diabetes Mellitus.
- **Dr. Asmita Meshram:** Incidence and risk factors for ventilator associated pneumonia.
- **Dr. Anu Yarky:** Diagnostic accuracy of a drop hydrogen peroxide test to differentiate between transudative and exudative pleural effusion.
- **Dr. Shrikanth Meshram:** Predictors of mortality of acute kidney injury patients admitted in Medicine ICU in rural tertiary care hospital.
- **Dr. Shital Ingale (2):** Comparison of acute physiology and chronic health evolution (APACHE - II) score with organ failure score to predict hospital mortality in medicine intensive care in patient.
- **Dr. Apurva Rajan Kulkarni :** Echocardiographic evaluation of cardiac function in chronic kidney disease: A cross sectional study
- **Dr. Madhura Ajay Chaudhari:** Prevalence of metabolic syndrome and its risk factors among rural adult population (Age \geq 35 years) in central India
- **Dr. Lalremmawia:** Intermediate syndrome and respiratory failure in acute organophosphorus pesticide self-poisoning
- **Dr. Amit Suresh Rao Ballamwar:** Magnitude and determinants of anemia in patients of chronic kidney disease admitted in rural tertiary care hospital
- **Dr. Trupti Kesharao Patil:** Nerve conduction study of common peroneal nerve in patients of stroke
- **Dr. Rupali Mukhija:** Clinical and endoscopic profile of upper gastrointestinal bleed and its predictor of outcomes

DEPARTMENT OF SURGERY

1. Name of the Department - General Surgery
2. Year of establishment - 1969
3. Is the Department part of a college/Faculty of the university? – Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram which is affiliated to Maharashtra University of Health Sciences, Nashik
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) – MBBS, MS in General Surgery
5. Interdisciplinary programs and departments involved – Yes
Post graduate students from Community medicine, Anatomy and Obs&Gynae are posted in Surgery.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. - No
7. Details of programs discontinued, if any, with reasons –
DNB in Rural surgery is discontinued. As per recent MCI notification, DNB courses cannot be run in Institutions already running MD/MS courses, hence as decided by higher authorities of MGIMS, DNB rural surgery is discontinued since 2015.
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System – Annual+Semester
9. Participation of the department in the courses offered by other departments –
 - B.Sc (nursing) and Diploma (nursing) students are taught surgery as per their prescribed syllabus by the faculty.
 - Our post graduates are posted in Neurosurgery for training
 - Our department was accredited by DNB, New Delhi for offering course of DNB on Rural Surgery, however discontinued since 2015
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	2
Associate Professor/Reader	4	4	4
Assistant Professor	7	7	6
Lecturer	NA	NA	NA
Tutor / Clinical Instructor	12	11	11
Senior Resident	4	3	3

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialisation	No. of years of experience
Dr. Dilip Gupta	MBBS,MS	Professor	General Surgery	24
Dr. Bhupendra Mehra	MBBS,MS	Professor	General Surgery	14
Dr. Priyadarshan Jategaonkar	MBBS,MS, DNB,FNB, MRCS, FACS	Associate Professor	Gastro Intestinal and Minimal access Surgery	8
Dr. Anil Akulwar	MBBS,MS	Associate Professor	General Surgery	5 ½
Dr. Siddharth Rao	MBBS,MS	Associate Professor	General Surgery	9
Dr. Ramesh Pandey	MBBS,MS	Associate Professor	General Surgery	6
Dr. Raju Gore	MBBS,MS	Assistant Professor	General Surgery	1
Dr. Rohit Patil	MBBS, DNB	Assistant Professor	General Surgery	1
Dr. Vaishali Rathore	MBBS,MS	Assistant Professor	General Surgery	1
Dr. Akshay Pednekar	MBBS,MS	Assistant Professor	General Surgery	1
Dr Tushar Parmeshwar	MBBS, MS	Assistant Professor	General Surgery	1 mnth
Dr Samuel	MBBS, MS	Assistant Professor	General Surgery	1 mnth

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors –

Prof. R.Narang (Emeritus Professor)

Visiting Professors:

Dr. R. Soni (Urology),

Dr. Hazare (Paediatric Surgery),

Dr. Amlani & Dr. J.L.Gupta (Plastic Surgery),

Dr. S.A.Agrawal (OncoSurgery)

13. Percentage of classes taken by temporary faculty – program-wise information – There are no temporary faculty.
14. Program-wise Student Teacher Ratio – MBBS 9:1, MS - 1:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Name	Qualification	Designation	Experience
Mrs. Maya Kakde		Sr. Clerk	20
Mr. Deepak Bhujade		Technician	6
Mr. Cyril Das		Attendent	15
Mrs. Sukeshini Gawande		OPD Nurse	6

16. Research thrust areas as recognized by major funding agencies – None
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. - None
18. Inter-institutional collaborative projects and associated grants received d) National collaboration b) International collaboration - None
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
20. Research facility / centre with
 - state recognition – Maharashtra University of Medical Sciences, Nashik
 - national recognition – Medical Council of India
 - international recognition - None
21. Special research laboratories sponsored by / created by industry or corporate bodies – N/A
22. Publications:
 - * Number of papers published in peer reviewed journals (national / international) 36
 - * Monographs
 - * Chapters in Books - None
 - * Books edited - None
 - * Books with ISBN with details of publishers - None
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - * Citation Index – range / average Dr Dilip Gupta 97 (Since 2011)
 - * SNIP
 - * SJR
 - * Impact Factor – range / average

* h-index Dr Dilip Gupta 6

23. Details of patents and income generated - None
24. Areas of consultancy and income generated - None
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards –

Prof D Gupta :

- Member Board of Studies MUHS, Nashik
- Governing council Member, ARSI
- Academic Council Member, ARSI
- Editor ARSI Journal
- Editorial Board Journal of MGIMS
- Chairman PG Curriculum Committee, MGIMS
- Member, UG Curriculum Committee, MGIMS
- Executive Member, Indian College of Academic Surgeons
- Hospital Management Committee, Civil Hospital, Wardha,
- Member, Expert Panel for preparing module for First Aid
- Management for Police Personnel, Govt. of Maharashtra
- Assessor for accreditation of Medical institutions for DNB surgery courses

Dr R Narang

- Governing Council Member of Association of Rural Surgeon of India
- Chairman, academic council, ASRI
- Member advisory Board DNB, Board of Studies, Jiwaji University.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). –
Annexure IV

28. Student projects

- percentage of students who have taken up in-house projects including inter-departmental projects –
ICMR Short term fellowship projects, Annexure VIII MS thesis

Prashant Singh; Guide: Dr S Rao

Knowledge, attitude and practice of breast cancer and breast self examination among women coming to outpatient department of rural hospital in Central India

29. Awards / recognitions received at the national and international level by
- Dr D Gupta was elected to Board of Studies in Surgery at MUHS Nashik
 - Dr. D. Gupta awarded FARSI award for community service by Association of rural surgeons of India in 2011.
 - Dr Siddharth Mendiratta won the best paper award for his paper ‘Study of efficacy of single dose pre operative amitotic prophylaxis in controlling surgical site infection in clean surgeries’ at NASICON at Nagpur on 30 Nov 2013
 - MGIMS stood 2nd in all Maharashtra Surgical Quiz organized by ASI Nagpur Chapter on 26th Aug. 2012 and 27th Aug. 2016
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
- Department of Surgery Organized a CME Cum Hands on training workshop on Suture Techniques for Post Graduate of Surgical discipline on 6th Feb. 2011 Around 35 P.Gs. of all surgical discipline participated in the workkshop.
 - Department of Surgery in collaboration with department of Oncology organized Nation al CME and Evidence Based medicine on Ca. Breast on 12th & 13th March 2011
 - Organized “Hands on training workshop in Upper & Lower GI Endoscopy” on 21/11/2015.
 - Dept. of Surgery organized a Hands on training workshop on “Science of Tissue Management “ on 21/07/2013. 50 P.Gs & faculty participated in the workshop.
 - Dept. of surgery organized a CME on Tuberculosis “ Abdominal & Surgery for Pulmonary Tuberculosis in collaboration with RNTCP & Dist. Tuberculosis centre Wardha on 02/08/2013.
31. Code of ethics for research followed by the departments: Yes, The Institutional ethics committee clears the thesis/STS protocols and other research projects.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES (I MBBS) 2015	12871	46%	54%	96.55%	100%
(I MBBS) 2014	15555	48%	52%	91.17%	100%
(I MBBS) 2013	8119	53%	47%	91.3%	100%

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
(I MBBS) 2012	16003	52%	48%	93.54%	100%
(I MBBS) 2011	12518	51%	49%	97.22%	100%
POSTGRADUATES					
2015	247			Term to complete	
2014	265			Term to complete	
2013	191	4		Exam Going	
2012	149	3	1	100%	100%
2011	205	3		100%	

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Masters in Surgery	100%			

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

- Dr Pankaj Gaur - Urology -SPGI Lucknow, 2015
- Dr Robin Gupta - Neurosurgery - GB Pant Hosp Delhi, 2015
- Dr Priyanka Sakharkar - Pediatric Surgery -LT Med Coll, Mumbai, 2015
- Dr Kaushal Priya Anand - Plastic Surgery, NRS, Med Coll Kolkata, 2015
- Dr Prashant Sawarkar, CTVS, Seth GS Med Coll, Mumbai, 2015
- Dr Kamlesh Jhariya, Plastic Surgery, NRS, Med Coll, Kolkata, 2016
- Dr Firoz Borle, Plastic Surgery, PGIMER, Kolkata, 2016
- Dr Siddartha Mendiratta, Plastic Surgery, CMC Vellore, 2016
- Dr. Ravi Batra, DNB Urology
- Dr. Raam Katre, Neurosurgery

35. Student progression

Student progression	Percentage against enrolled
UG to PG	100%
PG to M.Phil, DM / M Ch / DNB	10%
PG to Ph.D.	

Student progression	Percentage against enrolled
Ph.D. to Post-Doctoral	
Employed	100%
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	45.45%
from other universities within the State	27.27%
from universities from other States	27.27%
from universities outside the country	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Faculty that have been selected for M.Ch and are currently pursuing the same

- Dr Pankaj Gaur - Urology -SPGI Lucknow, 2015
- Dr Prashant Sawarkar, CTVS, Seth GS Med Coll, Mumbai, 2015
- Dr Kamlesh Jhariya, Plastic Surgery, NRS, Med Coll, Kolkata, 2016
- Dr Firoz Borle, Plastic Surgery, PGIMER, Kolkata, 2016
- Dr. Ravi Batra, DNB Urology

38. Present details of departmental infrastructural facilities with regard to

a) Library

Central Library

- Total number of Books in library: 28127
- Books pertaining to **General Surgery**: 1313
- Purchase of latest editions of books in last 3 years:
 - Total: 1159
 - **General Surgery** books 76
- Journals:

Journals	Total	General Surgery
Indian	45	02
Foreign	45 + online 24	06 + Online 5

Departmental Library:

- Total No. of Books 133
- Purchase of latest editions in last 3 years 76
- No. of Journals 02

b) Internet facilities for staff and students

Department has good connectivity of Wi-Fi and computers are being provided with this facility through HIS system and everybody uses the same. HOD's office and two other terminals have additional internet facility.

- e) Total number of class rooms
 - One Lecture Hall (with capacity of 100 students)
 - One demonstration room (with capacity of 70 students)
 - One seminar room with capacity of 20 students in the OPD and another with capacity of 30 students near the surgical ward.
 - f) Class rooms with ICT facility and 'smart' class rooms
 - All lecture halls are **wifi enabled and have LCD projection facility.**
 - e) Students' laboratories
 - f) Research laboratories
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university
 - Dr. Bhupendra Mehra pursuing Ph.D in Rani Durgavati Vishwavidhyalaya, Jabalpur
 - b) from other institutions/universities
40. Number of post graduate students getting financial assistance from the university.
- Funds are allotted to Postgraduates for thesis from KHS Research Fund. Two post graduates have availed this facility since 2011
- a. Dr Aditi Agrawal (2011) Rs 5000
 - b. Dr Siddharth Mendiratta (2012) Rs 10000
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
- This exercise is undertaken at level of MUHS. The staff members who are on the BOS represent our feedback to university.
- New programs initiated by MGIMS and conducted as a regular event:
- Communication skills workshop for I MBBS
 - Bioethics workshop
 - Integrated teaching session
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?
Yes. During departmental meetings.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes. Feedback is collected by IQAC
 - c. alumni and employers on the programs offered and how does

the department utilize the feedback?

Yes . Collected at institutional level

43. List the distinguished alumni of the department (maximum 10)
- Prof. Dilip Gupta, Professor and Head of Dept. of Surgery of MGIMS.
 - Prof. Prakash Punjabi, Consultant Cardiothoracic Surgeon at the National Heart and Lung Institute, Imperial College and Imperial College Healthcare NHS Trust - Hammersmith Hospital, London UK.
 - Dr. Aparna Govil, Section Chief of Minimal Access Bariatric Surgery, Saifee Hospital and Consultant- Center for Obesity and Digestive Surgery.
 - Dr. Ashutosh Raghuvanshi, Dy. Director of Narayana Hridayalaya, Bangalore.
 - Dr. Rakesh Khera, Dy. Director, Robotic surgery division, Dept of Urology, Medanta Mediciti Hospital, Gurgaon, Haryana.
 - Dr. Yashbir Dewan, Neurosurgeon, HOD of Neurosurgery, CMC Ludhiana.
 - Dr. Santosh Prabhu, Neurosurgeon, Neuro Institute, Kolhapur
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
Post graduate students are given training on Endo trainers for initiation into laparoscopic surgery. They also have to undergo training in basic research methodology. Apart from this, they also have to take clinics for the UG students. They are encouraged to participate in CME, Workshops and conferences and take active participation in the academic events organized by the Intitute and the department.
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

FOR UGs

- Apart from the routine clinical bedside teaching, the students are made to hone their skills in the skills lab of the department where they are taught the basics of handling the instruments, various surgical equipments including but not limited to suture materials. They are taught suturing, urethral catheterization.
- The students are posted in the OPDs and Casualty, where the teaching apart from the clinical course also stresses on the conduct of the staff in such stressful environment.

FOR PGs

- The post graduate teaching is held daily in the OPD seminar room or the Ward, apart from the teaching rounds of the Professor/Consultants' in their respective units. PG teaching includes presentation of clinical cases, Journal club, Death meets, Seminars, Group discussion.
 - They are also encouraged to hone their skill of laparoscopy on the endotainers in the department.
 - They are encouraged to attend conferences/CMEs and present papers/posters. Towards the end of their thesis submission, they are encouraged to write a paper for publication in surgical journals.
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- i. Evaluation of MBBS program is done through results of classroom/ internal assessment in following exams: Part Completion Tests, Terminal Exam & Preliminary Exam and University exams
 - ii. Feedback is collected from the students
 - iii. Feedback is collected from the faculty
 - iv. Discussion at curriculum committee meeting and college council regarding the same is conducted.
 - v. Guidelines from university are followed.
47. Highlight the participation of students and faculty in extension activities.
Post graduate students and Faculty visit the Sushila Nayar Hospital in Utawali in Melghat, Amravati Dist. for surgical camps which are conducted from time to time.
PG students and faculty visit our Urban Health center in Wardha and participate in other diagnostic camps organized by the Institute.
48. Give details of “beyond syllabus scholarly activities” of the department.
- MGIMS stood 2nd in all Maharashtra Surgical Quiz organized by ASI Nagpur Chapter on 26th Aug. 2012 and 27th Aug. 2016
 - Mr. Prashanth Singh successfully completed two ICMR STS project under the guidance of Dr. Siddharth Rao.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

MUHS, MCI

Date of MBBS recognition by MCI: 1974

Date of MS recognition by MCI: Dec 1998

Date of Ph.D. recognition from MUHS:

Date of last inspection of

MCI : 05/02/2016 and 9/5/16 (UG), 12/8/16 (PG)

MUHS : 02-03-2015

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
The major strengths of the department are the availability of good clinical material which results in proper surgical training to the post graduates and challenging surgeries for the faculty. There is generally a good atmosphere of harmony and good inter personal relation in the department.
In view of the increasing patient load, there is a need for increase in faculty and post graduates.
52. Future plans of the department.
- Plans to expand research activities in field of cancer.
 - Neurosurgery and cardiac surgery
 - To start fellowship in basic laparoscopic surgeries
 - To upgrade the museum of the department.

ANNEXURES FROM SURGERY ANNEXURE I A : PUBLICATIONS

2016

1. R.Pandey, R. Narang, B. Mehra, D Gupta; Pattern of Benign Breast Diseases: A Neglected Entity:*EJPMR, 2016,3(2), 158-161.*
2. R.Pandey, B. Mehra, Robert K; Evaluation of postoperative pain and cosmetic outcome between single incision laparoscopic appendectomy and conventional three port laparoscopic appendectomy : A randomized clinical trial: *EJPMR, 2016,3(4), 230-233.*
3. Jategaonkar PA, Jategaonkar SP, Yadav SP. Tailoring Precision of the Size-15 Surgical Knife at Laparoscopic Porting. *J Coll Physicians Surg Pak. 2016 Feb;26(2):165.*

4. Jategaonkar PA, Jategaonkar SP, Yadav SP. A simple and safe method for creating closed pneumoperitoneum in slim patients with firm abdominal skin. *Ann R Coll Surg Engl.* 2016 Mar;98(3):228.
5. Agrawal A, Gandhe MB, Gupta D, Reddy MV: Preliminary Study on Serum Lactate Dehydrogenase (LDH) - Prognostic Biomarker in Carcinoma Breast. *J Clin Diagn Res*,2016Mar,10(3); BC06-BC08
6. Jategaonkar PA, Jategaonkar SP, Yadav SP Gupta DO. Luminal Jejunal Gossypiboma causing Acute Obstruction with no Trails of Trans-mural Invasion—A Surgical Mystery: Report of an Unusual Case. *Hellenic Journal of Surgery* (2016) 88:1, 63-65.

2015

1. Bharati Pandya, Ravinder Narang ,Sushil Kale; Emphysematous Pyelonephritis presenting with coexistent Pneumatosis Intestinalis ; *International Journal of advances in health sciences*, Vol 2, Issue1, 2015, pp15-19
2. Bharati Pandya, Ravinder Narang ,Ulhas N Jajoo; Occult insulinoma in a Meckel's diverticulum: A case report. *Int Surg J.* 2015 Feb;2(1):105-108
3. Bharati Pandya, Raju Gore, Ravinder Narang; Calcific Inflammatory Myofibroblastic Tumor in the Retroperitoneum of a Child: A Case Report *International. Surgery. Journal* 2015 May; 2(2):270-73
4. Bharati Pandya,Swapnil Murlidhar Wahane,Ravinder Narang; Clinical profile of fibroadenoma in rural Vidarbha : A geographical Entity in central India. *Int Jr of Recent Scientific Res Vol.6 (7), 2015 pp.5117-5120.*
5. Rathod A, Agrawal A, Mehra B. Role of Laparoscopy in Chronic and Recurrent Abdominal Pain-Rural Area Experience. *Indian J Surg.* 2015 Dec;77(Suppl 3):1018-22.

2014

1. Firoj R Borle, Bhupendra K Mehra & Sheelchand Jain; Evaluation Of pain scores after single incision and conventional Laparoscopic Cholecystectomy: A Randomized control trial in a rural Indian population. *Asian J Endosc Surg* 7(2014), 38-42
2. Prafulla S Ambulkar, Ramji Singh, MVR Reddy, Poonam S Varma, Dilip O Gupta, Moreshwar R Shende, Ashok K Pal; Genetic Risk of Azoospermia Factor(AZF) Microdeletions in Idiopathic Cases of Azoospermia and Oligozoospermia in Central Indian Population. *Journal of Clinical and Diagnostic Research*, 2014 March,vol8(3): 88-91

3. Aditi Shivcharan Agrawal, Siddharth Rao, Dilip O Gupta; Breast Sarcoma: A Rarity - Clinical Cancer Investigation Journal 2014, Jul-Aug; Vol 3 No 4;338-40
4. Manish Gupta and Ravinder Narang; Labia Majora, An unusual site presentation of Alveolar Rhabdomyosarcoma in a young Girl: A case report and review of Literature – International Journal of Biomedical and Advance Research (2014) 5 (09); 470-71
5. Manish Gupta, Bharati Pandya, Ravinder Narang ;Inflammatory Myofibroblastic Tumor of the Stomach: A rare case presentation with review of literature. - IJBAR (2014) 05 (12) 648-49
6. Rao S, Rathod A, Kamble A, Gupta D. Delayed presentation of port-site metastasis from an unknown gastrointestinal malignancy following laparoscopic cholecystectomy. Singapore Med J. 2014 May; (5): 73-6.
7. Vishakha Jain, OP Gupta, Tarun Rao, and Siddharth Rao Acute Pancreatitis Complicating Severe Dengue. Journal of Global Infectious Diseases / Apr-Jun 2014 / Vol-6 / Issue-2,105-08.
8. Rajat K Patra, Dilip O Gupta Rohan R Patil Clinicopathological and Ultrasonographic correlation of Ac Appendicitis in Emergency: A Prospective and Retrospective Study. Arch of International Surg. 2014(Jan-Apr) Vol 4 No 1 PP 11-14

2013

1. Pooja Batra, Dilip Gupta, R Narang, Siddharth Rao, Ravi Batra. Spectrum of Gastrointestinal Perforation Peritonitis in Rural Central India. JMGIMS, 2013; 18(i):44-48
2. Pooja Batra, DO Gupta, Ravi Batra, Ruchi Kothari, Pradeep Bokariya. Pattern of Soft Tissue Tumors in Rural Population of Central India. Innovative Jr. of Med & Health Sciences.3:3; May-June 2013:124-26
3. AngioKeratoma Circumscriptum in Pediatric Patient: A Rare Zosteriform Pattern Rural Surgery; 2013:9(2), 06-07
4. Giant Myxoid Liposarcoma of Thigh - A Clinical Challenge. Rural Surgery; 2013:9(2), 08-11
5. Agrawal AS, Rao S, Gupta DO. DJ Stent: Boon or Curse;- Letters to the Editor. JMGIMS,2013;18 :147-48
6. Batra P, Gupta D, Batra R, Kothari R, Deshmukh P.R. ; Mannheim Peritonitis Index as an Evaluative tool in Predicting Mortality in Patients of Perforation Peritonitis. CIB Tech Journal of Surgery 2013:Vol 2(3)Sept- Dec; 30-36

2012

1. Current Status and Challenges of NOTES- Natural Orifice Transluminal Endoscopic Surgery JMGIMS, 2012;17(i):13-17
2. Acute Colonic Pseudo-obstruction – A Case Report. JMGIMS, 2012; 17(ii):47-51
3. Ruptured Hydatid Cyst of the Lung – Pictorial CME. JMGIMS, 2012; 17(ii):73-74
4. Management of chest trauma in Rural Setting. Rural Surgery; 2012;8(2), 02-10
5. Siddharth Rao, Anil Rathod, Dilip Gupta. Adenocarcinoma of Rete Testis Presenting as Hydrocele- A Case Report; Clinical Cancer Investigation Journal, July-September 2012; Volume1, Issue 3:159-60
6. Rao SS, Mehra B, Narang R. The spectrum of hydatid disease in rural central india : An 11 year experience. Ann Trop Med Public Health (Serial online) 2012 (cited 2015 Marh 10) ; 5: 225-230

2011

1. S.Rao,Jain VV,Gupta DO. Type 2 Diabetes Mellitus-Exploring the avenue of Bariatric Surgery. J.MGIMS March 2011, Vol 16 No (1):5-9.
2. D Gupta, R Batra, A Agarwal, S Jain, B Mehra. Giant vesical calculus with carcinoma bladder, a rare entity. J.MGIMS March 2011, Vol 16 No (1): 47-49.
3. V Gawande, S Kar, D Gupta. Surgeries in Vitiligo and Review of literature. J MGIMS, September 2011;Volume 16(2):20-24
4. Multicystic Nephroma Masquerading as Wilm’s Tumor- A Clinical Diagnostic Challenge. Saudi Journal of Kidney Diseases and Renal Transplantation, 2011; 22(4): 774- 778
5. Darshana Tote, Sachin Tote, C Mahakalkar,Dilip Gupta. Comparision of Trauma Scoring System in Predicting Outcome of Trauma Patients – JDMIMSU, 2011; 6(2):64-68

ANNEXURE II: GUEST LECTURES, TASK FORCE MEETINGS

- 1) Dr.Dilip Gupta attended National Meeting on National Initiative on Patient safety held at AIIM New Delhi 18th & 19th Sept. 10
- 2) Dr. R. Narang attend the meeting for DNB work on 27th & 28th Sept. 10 at New Delhi.
- 3) Dr.Dilip Gupta Prof. & Head Surgery Delivered a guest lecture on Disaster management plan for the hospital in CME held at NKP Salve Inst. Of Med. Sceinces Nagpur 21/3/2013.

- 4) Dr.D.Gupta Prof. & Head Surgery Selected as expert for preparing training module on “Management of Accident victim at Accident site for Training of Police Personal by Govt. of Maharashtra Feb. 2013
- 5) Dr. Dilip Gupta Prof.& Head of Surgery – Attended meeting of Board of Studies at MUHS Nashik on 2nd Jan. & 30th Jan. 13 & 7th March 2013.
- 6) Dr. Dilip Gupta Prof.& Head of Surgery Attended Governing council meeting of ARSI at Bacchao Dist. Bhuj Gujrat on 24th Feb. 13.
- 7) Dr.Dilip Gupta Prof. & Head Surgery Attended clinical surgery course & master class as faculty from 3rd July to 8th July 2013, at Tatanagar
- 8) Dr.Dilip Gupta Prof. & Head Surgery, delivered guest lecture “Clinical approach to a case of obstructive jaundice” at clinical surgery workshop at Tatanagar and on Basic research Methodology for P.G. at clinical surgery workshop at Tatanagar from 3rd July to 8th July 2013, at Tatanagar
- 9) Dr.Dilip Gupta Prof. Head Dept. of Surgery Guest lecture – Institutional support to ARSI movement Annual conference of ARSI at Bhachau, Dist. Kutch Gujarat from 22nd to 24th Nov. 2013.
- 10) Dr. Dilip Gupta Prof.& Head of Surgery – Attended meeting of Board of Studies at MUHS Nashik on 2nd Jan. & 30th Jan. 13 & 7th March 2013.
- 11) Dr. Dilip Gupta Prof.& Head of Surgery Attended Governing council meeting of ARSI at Bacchao Dist. Bhuj Gujrat on 24th Feb. 13.
- 12) Dr.Dilip Gupta :- Delivered Guest Lecture “ Approach to a case of Renal Lump” at the , Clinical Master surgery classes at Tatanagar from 3rd -6th July 2014.
- 13) Dr.Dilip Gupta, Prof. & Head Surgery attended ARSICON-2014 held at Midnapore (West Bengal) from 28th -30th Nov.2014 & Delivered Guest lecture on “Abdominal Tuberculosis recent trends in management & chaired sessions
- 14) Dr.Dilip Gupta, Prof. & Head Surgery attended Govt. Council Meet of ARSI AT Calcutta on 27th Nov. 2014.
- 15) Dr Dilip Gupta attended IV National Conference of Trauma Association of India held at J.J. Hospital, Mumbai from 12th -14th September, 2014, & Chaired session. Participated as resource person for Live Workshop on managing trauma patient at accident site.
- 16) Dr.Dilip Gupta attended BUS meet at MUHS, Nashik in October, 2014 & March, 2015.
- 17) Dr. Dilip Gupta – “Hernia Complications” – in Hernia update organized by ASI Nagpur chapter on 9th Oct. 2015
- 18) Dr. Dilip Gupta Prof. & Head Surgery attended GC meet of ARSI at Karad on 15th March 2015
- 19) Dr. Dilip Gupta Prof. & Head Surgery attended BOS Meet at MUHS Nashik. On 23rd & 24th April, 2015, 5th Oct. 2015

- 20) Dr. Dilip Gupta Prof. & Head Surgery attended workshop on Inclusion of Bioethics in UG & PG curriculum organized by MUHS Nashik on 23rd March 2015

ANNEXURE IV A: CONFERENCES, COURSES AND WORKSHOPS ATTENDED

- 1) National CME & Evidence based medical on 12th & 13th March 2011: Dr.R.Narang. Dr.Dilip Gupta, Dr.A.T.Kamble, Dr.B.Mehra, Dr.S.C.Jain, Dr.Anand Thawait, Dr.Ravi Batra, Dr.Pooja Shram,Dr.S.Rao, Dr.R.Pandey, D.A.Agrawal, Dr.Pankaj Gaur, Dr.P.Sawarkar, Dr.A.Rathod, Dr.C.Ghuge, Dr.R.Patra, Dr.G.Rathi, Dr.F.Borle, Dr.K.Jhariya, Dr.S.Borle, Dr.Hampher, Dr.S.Yadav.Dr. A.Gore
- 2) Dilip Gupta attended Governing council meeting of ARSI on 6th March 2011 at Shahada Dist. Dhule,
- 3) DR.Rajat Kumar Patra, Paper presentation “Value of Ultrasonography in evolution of palpable Brest Lump” National CME and evidence Based Medicine conference on Breast Cancer 13/03/2011
- 4) Dr.Aditi Agrawal, Paper presentation “Serum LDH as a prognostic marker in Breast cancer” National CME and evidence Based Medicine conference on Breast Cancer 13/03/2011
- 5) Dr. Anil Rathod , paper Presentation “Bonemarrow examination in Distant metastasis in Breast Cancer” National CME and evidence Based Medicine conference on Breast Cancer 13/03/2011
- 6) Dr. Dilip Gupta attended workshop on research methodology organized by MUHS at Pune from 18th – 20th June 2012.
- 7) Dr.D. Gupta elected to Board of Studies in Surgery at MUHS Nashik
- 8) Dr.Bhusan Bhole, Dr.Bharati Pandya, Dr.Anand Thawait, attended “Basic Workshop in Medical education technologies” at MGIMS, Sevagram. On 28th to 30th Aug. 2012.
- 9) Post graduate students Dr.Gopal Rathi, Dr.Firoz Borle, Dr.Robin Gupta attended the “ Surgery Update -2012 at New Delhi on 24th to 29th Sept. 2012
- 10) Dr.Dilip Gupta, Prof. & Head Surgery Attended XX National conference of ARS from 26th to 28th Oct. 2012 at Ratlam & delivered 2 Guest lecture on O.T. Safety and Prehospital care in Disaster management
- 11) Dr.Kamlesh Jharia P.G. Surgery Attended XX National conference of ARS from 26th to 28th Oct. 2012 at Ratlam & Presented paper diagnostic value of Bone marrow, examination in defective distant metastasis in Breast cancer.
- 12) Dr.Hampher K. P.G. Surgery Attended XX National conference of ARS from 26th to 28th Oct. 2012 at Ratlam & presented poster titled “Insular carcinoma Thyroid – A rare case

- 13) Dr.Kamlesh Jharia was awarded Best paper award at ARSICON from 26th to 28th Oct. 2012 at Ratlam on his paper.
- 14) Dr. Dilip Gupta Prof.& Head of Surgery Attended CME on clinical Anatomy of kidney on 24th Jan. 13 at MGIMS and chaired session.
- 15) Dr.A.T.Kamble Prof. of Surgery, attended MASICON 2013, Nashik from 7th - 10th Feb.2013 and presented papers on
 - -“Vanishing lung syndrome – A review of 5 cases”
 - Rare presentation of Bronchiectasis with multiple bronchial stones”
 - Triple organ hydatid cyst in a single patient managed with minimally invasive surgery “
- 16) Dr.Anand Thawait, Asstt.Prof. attended MASICON 2013, Nashik from 7th – 10th Feb. 2013 and presented
 - paper on “Solitary fibrous tumour of pleura – A review of 3 cases and
 - Poster on Inflammatory myofibroblastic tumour of lung with hypertrophic osteoarthopathy in 9yrs old child
- 17) Dr.Gupta Prof. & Head Surgery attended workshop for Board of Studies members of MUHS Nashik on Application of competency Based Education to create Good Indian Medical Doctor at Nashik on 23/3/13.
- 18) Dr.Bhupendra Mehra, Prof. of Surgery attended MPASICON 2013 from 1st - 3rd Feb.2013 at Jabalpur “ Guest lecture on Single part Laparoscopy Surgery & Video presentation.
- 19) Dr.Gopal Rathi P.G.Surgery Attended MASICON 2013, Nashik from 7th to 10th Feb. 2013 Present paper – “Single dose antibiotic prophylaxis in control of Surgical site infection in clean surgeries”
- 20) Dr.Saahil Yadav, P.G.Surgery Attended MASICON 2013, Nashik from 7th to 10th Feb. 2013 Present Poster Ineidentalaly diagnosed case of Insulinoma of Pancreas
- 21) Dr. Dilip Gupta delivered a guest lecture on “ Hernia failures” in CME & Live workshop on Inguinal Hernia organized Nagpur Chapter of ASI (Assoc. of Surgeon of India) at NKP Salve Institute of Medical Sciences on 19/04/2013.
- 22) Dr.Saahil Yadav & Dr. Hampher K. P.G. Surgery attended CME & Live workshop on Inguinal Hernia at NKP Salve Institute of Medical Sciences, Nagpur Chapter.
- 23) Dr. Anand Thawait, Dr AT Kamble, Role of Diagnostic Laparoscopy in Chronic and Recurrent Abdominal Pain, MASICON 2014, Thane, 6th-9th, Feb 2014.
- 24) Dr. Pankaj Gaur Asst. Prof. of Surgery, Attended and panel certificates course in Hepato Pancreatico Biliary Surgery at JIPMER Puducherry from 28th Aug. to 1st Sept. 2013
- 25) Dr. Dilip Gupta, Dr.S.Rao, Dr.Kaushal Anand, Dr. Raju Gore, Dr. S.Mendiratta attended 5th International conference of IFRS & 20th Annual

- conference of ARSI at Bhachau, Dist. Kutch Gujarat from 22nd to 24th Nov. 2013.
- 26) Dr. S.Rao. Asso. Prof. Dept. of Surgery “Knowledge attitude & practice of Breast cancer & self breast examination in women attending a rural central India population.” At The combined 5th International conference of International Federation of Rural Surgery (IFRS) and 21st Annual conference of Association of Rural Surgeons of India (ARSI) at Bhachau, Dist. Kutch Gujarat from 22nd to 24th Nov. 2013.
 - 27) Dr.Kaushal Anand PG Surgery dept. “Critical evaluation of single incision laproscopic choleclytectomy” ARSI at Bhachau, Dist. Kutch Gujarat from 22nd to 24th Nov. 2013.
 - 28) Dr.Raju Gore PG Surgery Dept. “Unusual foreign body in rectum a rare case” ARSI at Bhachau, Dist. Kutch Gujarat from 22nd to 24th Nov. 2013.
 - 29) Dr.S.Mendratta PG Surgery Dept. “Study of efficacy of single dose pre operative amitotic prophylaxis incoutolling surgical site infection in clean surgeries” ARSI at Bhachau, Dist. Kutch Gujarat from 22nd to 24th Nov. 2013.
 - 30) Dr.Dilip Gupta , Dr.S.C.Jain & Dr. S. Mendiratta attended vidarbha level ASICON at Nagpur on 30/11/2013
 - 31) Dr.D.Gupta Prof. & Head Dept. Surgery was faculty & judge for Best paper award at NASICON at Nagpur 30/11/2013
 - 32) Dr.Siddarth Mendiratta Presented paper “Study of efficacy of single dose pre operative amitotic prophylaxis incoutolling surgical site infection in clean surgeries” & won the best paper ward vidarbha level at NASICON at Nagpur on 30/11/2013
 - 33) Dr.Ashok T.Kamble Professor attended MASICON -2014 held at Thane from 6th Jan. to 9th Jan. 2014 and presented oral papers on “Hydatid cysts in the past and the present with some rare presentations” and “Superior mesenteric artery syndrome - a review of two cases”.
 - 34) Dr.Anand Thawait Asst. Professor attended MASICON -2014 held at Thane from 6th Jan. to 9th Jan. 2014 and presented oral paper on “Role of diagnostic laparoscopy in chronic & recurrent abdominal pain”
 - 35) Dr.Priyanka Sakarkar P.G.Surgery attended MASICON -2014 held at Thane from 6th Jan. to 9th Jan. 2014 and presented oral paper on Incidental gall bladder carcinoma in patients undergoing laparoscopic cholecystectomy. Critical evaluation of single incision laparoscopic cholecystectomy
 - 36) Dr.Robin Gupta, P.G.Surgery attended MASICON -2014 held at Thane from 6th Jan. to 9th Jan. 2014 and presented oral paper on “Hospital based prospective study on prognostic factors and treatment outcome in advanced carcinoma breast in rural setup” And poster on “Malignant phaeochromocytoma – A Case Report”

- 37) Dr. Vaishali Rathod attended MASICON -2014 held at Thane from 6th Jan. to 9th Jan. 2014 and presented oral paper on “Diagnostic value of bone marrow examination in distant metastasis of breast cancer”
- 38) Dr. Dilip Gupta attended ARSICON Midnapore, WB in Nov. 15 and delivered Guest lecture on Abdominal Tuberculosis.
- 39) Dr.V.Radhika Intern was 2nd Prize in poster competition International CME on Breast cancer at Nagpur on 19th Oct. 2014.
- 40) Dr.Dilip Gupta attended & chaired session in International CME on Breast cancer at Nagpur on 19th Oct. 2014.
- 41) Dr.Tushar Parmeshwar P.G. Surgery attended ARSICON -2014 at Midnapore from 28th – 30th Nov. 2014 presented paper on “Paraganglionoma Thyroid concurrent with Hashimoto’s Thyroiditis – A rare presentation.
- 42) Dr. Mehra attended the International conference AMASICON-2014 at Dubai and presented a paper
- 43) Dr. Dilip Gupta Attended MASICON-2015 at Nagpur from 29th Jan. to 1st Feb. 2015 & participant as faculty – Meet the professor session as a chairperson
- 44) Dr. Dilip Gupta attended Clinical Surgery workshop at Tatanagar in July, 2014 and delivered lecture on – “Approach to Renal Lung”
- 45) Dr.Siddharth Mendiratta P.G. Surgery Role of serum C Reactive P Rotein & white blood cell count in diagnosis of acute appendicitis at Nagpur 30th -31st Jan.2015
- 46) Dr.Siddharth M , Dr.Kaushal Anand P.G. Surgery, attended the Clinical Master surgery classes at Tatanagar as faculty 3-6 July 2014.
- 47) Dr Dilip Gupta attended IV National Conference of Trauma Association of India held at J.J. Hospital, Mumbai from 12th-14th September, 2014, & Chaired session.
- 48) Dr. Dilip Gupta Attended “Hernia update” workshop organized by ASI Nagpur chapter 9th Oct. 2015 at Nagpur & delivered guest lecture.
- 49) Dr.Siddharth Mendiratta P.G. Surgery Role of serum C Reactive P Rotein & white blood cell count in diagnosis of acute appendicitis at Nagpur 30th - 31st Jan.2015
- 50) Dr. DilipGupta Prof. & Head Surgery attended workshop on inclusion of Bioethics in UG & PG curriculum organized by MUHS Nashik on 23rd April, 2015

ANNEXURE IV E : RESEARCH METHODOLOGY WORKSHOPS

Dr. Dilip Gupta attended workshop on research methodology organized by MUHS at Pune from 18th – 20th June 2012.

A clinical study of hydatid disease. A retrospective and prospective study
Dr.Kaushal P. Anand **Dr.B.K.Mehra 2012-2015**
Significance of intra-operative peritoneal culture of fungus in outcome of patient with peptic perforation
Dr.Raju W. Gore **Dr.A.T.Kamble 2012-2015**
Hormone receptor status in breast cancer and it's relation with age and other prognostic factors
Dr. Tushar Mohanlal Parmeshwar **Dr. Dilip Gupta 2013-2016**
Local Complications of peripheral intravenous chemotherapy – Analysis in Carcinoma Breast Patients
Dr. Samuel Lalhruaizela **Dr. Dilip Gupta 2013-2016**
Hypoalbuminemia as an Independent Risk Factor for Postoperative Morbidity and Mortality in Gastrointestinal Surgeries
Dr. Akshay Akulwar **Dr. Siddharth Rao 2013-2016**
Pattern of Gastrointestinal Tract Malignancy in Central Indian Population
Dr. Keisham Robert **Dr.B.K.Mehra 2013-2016**
Comparative Study of Uniport Laparoscopic Appendicectomy with Conventional Laparoscopic Appendicectomy

DEPARTMENT OF PEDIATRICS

1. Name of the Department : Pediatrics
2. Year of establishment : 1969
3. Is the Department part of a college/Faculty of the university?
 - Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)
 - MBBS
 - DCH
 - MD
 - Medical Officers' Certificate Program for training in Pediatrics (approved by Govt of Maharashtra)
 - MSc Counseling and Family Therapy
 - IGNOU PG Diploma in Counseling and Family Therapy
5. Interdisciplinary programs and departments involved
 - IMNCI and IYCF training of undergraduates for 14 days in collaboration with dept of community medicine.
 - IGNOU PG Diploma in Counseling and Family Therapy and MSc Counseling and Family Therapy in collaboration with Dept of Psychiatry, Dept of Community Medicine.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
 - MOU has been signed with Maastricht University, Netherlands for 6 weeks training of their medical students in Pediatrics and Neonatology.
 - MOU has been signed with Ben Gurion University, Israel for 6 weeks training of their medical students in Pediatrics and Neonatology.
 - MSc Counseling and Family Therapy of IGNOU
 - PG Diploma in Counseling and Family Therapy of IGNOU
7. Details of programs discontinued, if any, with reasons
 - No
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual
9. Participation of the department in the courses offered by other departments
 - Training site for 1 year IGNOU PG Diploma in Maternal and Child Health offered by dept of Community Medicine.

- PG students in DNB Family Medicine offered by dept of Medicine are posted in dept of Pediatrics for 1 month each.
- PG students from Dept of Community Medicine are posted in Dept of Pediatrics for 1 month each.
- PG students from Dept of Pharmacology are posted in Dept of Pediatrics for 1 month each.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor/Reader	2	2	1
Assistant Professor	3	3	2
Senior Resident	2	2	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. K.Y. Vilhekar	MBBS,DCH, MD	Prof. & Head	Pediatrics	38 Years 6 months
Dr. Manish A Jain	MBBS, MD, PGDAP	Professor	Pediatrics	14 yrs 6 mon.
Dr. Akash Bang	MBBS, MD, DNB, PGDMLS, Fellow Pediatric Critical Care	Professor	Pediatrics	11 yrs
Dr. Varsha Chauhan	MBBS, MD	Associate Professor	Pediatrics	7 yrs. 4 mon.
Dr Smita Jategaonkar	MBBS, MD	Assistant Professor	Pediatrics	3 years
Dr. Richa Chaudhary	MBBS, MD	Assistant Professor	Pediatrics	3years
Dr. Kanchan Gawade	MBBS, MD	Senior Resident	Pediatrics	1 month
Dr. Punam Uke	MBBS, MD	Senior Resident	Pediatrics	1 month

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty – program-wise information
- -No temporary faculty
14. Program-wise Student Teacher Ratio
- PG 2:4 (2 MDs, 4 PG teachers)
 - UG 17:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual
- Technical Staff

	Sanctioned	Filled	Actual (including CAS & MPS)
Child Psychologist	1	0	0
Health Educator	1	0	0
Social Worker	1	0	0
Technical Assistant	1	0	0
Technician	1	0	0
Lab Attendant	1	0	0

- Administrative Staff

	Sanctioned	Filled	Actual (including CAS & MPS)
Store keeper	1	0	0
Record Clerk	1	0	0
Steno Typist	1	0	1 part time

16. Research thrust areas as recognized by major funding agencies
- Maternal and Child Health, Vaccinology, Neonatology
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty- 1

Details of Projects-

a) **International – NIL**

b) **National-**

1

- Project title:** Clinical evaluation of Ayurvedic coded drug (AYUSH MANAS) in the management of ManasMandata (Mental retardation)
Investigators: Jain M
Funding agency: Central Council for Research in Ayurvedic Sciences, Dept of AYUSH, MOHFW, Govt of India, 2011-14
Grant received: 37 lacs.
- 2
- Project title:** Low birth weight neonates and maternal chronic diseases risk factors in a rural population.
Investigators: Bang A, Joshi R, Vilhekar KY
Funding agency: St Johns' Research Institute, Bengaluru, NIH-NHLBI Center of Excellence, 2009-2012
Grant received: 4.69 lacs
- 3
- Project title:** IndiaCLEN multicentre trial of home versus hospital oral amoxicillin for management of severe pneumonia in children" (ISPOT STUDY)
Investigators: Bang A, Jain M, Vilhekar KY, Mendiratta DK
Funding agency: USAID & MCH-STAR through IndiaCLEN, 2009-2011
Grant received: 5.41 lacs
- 4
- Project title:** IndiaCLEN Japanese Encephalitis Vaccine phase II / III clinical study: A multicentric open label randomized controlled phase II / III study to evaluate the safety and immunogenicity of Biological E Ltd inactivated JE vaccine in healthy 1-3 years old Indian children.
Investigators: Bang A, Jain M
Funding agency: SRISTEK, Hyderabad, 2010-2012
Grant received: 5 lacs
- 5
- Project title:** A randomized multicenter open label comparative study to evaluate the immunogenicity and reactogenicity of a new fully liquid pentavalentDTwP-HIB-IPV vaccine with tetravalent DTwP/HIB vaccine coadministered with Salk Based IPV in healthy infants.
Investigators: Bang A, Jain M
Funding agency: SRISTEK, Hyderabad, 2010-2012

- Grant received: 7.5 lacs**
- 6
Project title: A multicentric, single blind, parallel, randomized, phase-IV non-inferiority study for immunogenicity & safety of BE's combined liquid pentavalentDTwP-rHepB-HIB vaccine in comparison with SIIL's Pentavac SD™ vaccine
Investigators: Bang A, Jain M
Funding agency: SRISTEK, Hyderabad, 2010-2012
Grant received: 3.5 lacs
- 7
Project title: A multicentric double blind single arm randomised phase-IV study to evaluate the safety, reactogenicity& lot consistency of 3 production lots of BE's combined liquid pentavalentDTwP-rHepB-HIB vaccine
Investigators: Bang A, Jain M
Funding agency: SRISTEK, Hyderabad, 2010-2012
Grant received: 3.5 lacs
- 8
Project title: Study of megaloblastic anemia
Investigators: Taksande A, Vilhekar KY
Funding agency: MUHS, 2011
Grant received: 8000.
- 9
Project title: National Neonatal Perinatal Database
Investigators: Jain M
Funding agency: WHO SEARO, 2014-2017
Grant received: 3.6 lacs
- 10
Project title: Multi-centric hospital based surveillance of acute encephalitis syndrome for viral etiology among children in selected districts of Maharashtra and Andhra Pradesh.
Investigators: Manish Jain (co-investigator)
Funding agency: ICMR, 2014-2015
Grant received: 20 lacs.

11

Project title: Phase III multicenter randomized double blind placebo controlled study to evaluate the efficacy and safety of live attenuated Bovine-Human Rotavirus Reassortant Pentavalent Vaccine (BRV-PV) against severe Rotavirus Gastroenteritis in healthy Indian infants

Investigators: Manish Jain (co-investigator)

Funding agency: PATH-SIIL

Grant received: 306.47 lacs INR.

12

Project title: Surveillance of select zoonotic diseases in central India

Investigators: Manish Jain (co-investigator)

Funding agency: ICMR

Grant received: Proposed 150 lacs INR

13

Project title: Improving Health Care seeking for morbidities among newborn and young infants in rural Wardha.

Investigators: Manish Jain (co-investigator)

Funding agency: ICMR

18. Inter-institutional collaborative projects and associated grants received
g) National collaboration b) International collaboration

Project title: Low birth weight neonates and maternal chronic diseases risk factors in a rural population.

Investigators: Bang A, Joshi R, Vilhekar KY

Funding agency: St Johns' Research Institute, Bengaluru, NIH-NHLBI Center of Excellence, 2009-2012

Grant received: 4.69 lacs

Project title: IndiaCLEN multicentre trial of home versus hospital oral amoxicillin for management of severe pneumonia in children" (ISPOT STUDY)

Investigators: Bang A, Jain M, Vilhekar KY, Mendiratta DK

Funding agency: USAID & MCH-STAR through IndiaCLEN, 2009-2011

Grant received: 5.41 lacs

Project title: National Neonatal Perinatal Database

Investigators: Jain M

Funding agency: WHO SEARO, 2014-2017

Grant received: 3.6 lacs

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

- No

20. Research facility / Centre with-

- state recognition–
 - Directorate of Health Services, Govt of Maharashtra has selected the Dept of Pediatrics as the **only nodal center in Vidarbha region and one of the only 3 nodal centers in the Maharashtra state** for training of health care personnels (including pediatricians, medical officers, nurses) from Govt facilities in **“Facility Based Newborn Care”**
 - Directorate of Health Services, Govt of Maharashtra has selected the Dept of Pediatrics as the training center for 6 months **“Medical Officers Certificate Program”** for specialty training of Medical Officers.
- national recognition –
 - The Dept of Pediatrics has been approved as **Indian Academy of Pediatrics accredited CPR training center** for training of health care professionals and general public from surrounding areas in basic life support and for capacity building of health care professionals as trainers of basic life support.
- international recognition-
 - The Dept of Pediatrics has been approved as **training center** for training of medical students in Pediatrics and Neonatology by Maastricht University, Netherlands and Ben Gurion University, Israel.

21. Special research laboratories sponsored by / created by industry or corporate bodies

- --No

22. **Publications:** Number of papers published in peer reviewed journals (national / international)- **28 (Annexure 1A)**

Chapters in Books- 7 (Annexure 1B)

Books and Monographs Edited- 2(Annexure 1C)

- Books with ISBN with details of publishers—as in Annexure
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social

- Sciences Directory, EBSCO host, Medline, etc.)--
 - Citation Index – range (0 to 443) / average 94
 - SNIP--
 - SJR--
 - Impact Factor – range (0 to 2.52) / average– 0.425
 - h-index -- 14
23. Details of patents and income generated
- NIL
24. Areas of consultancy and income generated
- Institute policy does not permit any financial incentives as consultancy.
- However we provide consultancy to Govt organizations and NGOs in following forms-
 - Directorate of Health Services, Govt of Maharashtra has selected the Dept of Pediatrics as the **only nodal center in Vidarbha region and one of the only 3 nodal centers in the Maharashtra state** for training of health care personnels (including pediatricians, medical officers, nurses) from Govt facilities in “**Facility Based Newborn Care**”
 - Directorate of Health Services, Govt of Maharashtra has selected the Dept of Pediatrics as the training center for 6 months “**Medical Officers Certificate Program**” for specialty training of Medical Officers.
 - The Dept of Pediatrics has been approved as **Indian Academy of Pediatrics accredited CPR training center** for training of health care professionals and general public from surrounding areas in basic life support and for capacity building of health care professionals as trainers of basic life support.
 - See **Annexure II** for participation of individual faculty members as Task Force Members.
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad – 66 Guest lectures / Taskforce meetings (See **Annexure II**)
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (specify)- Details in **Annexure III**
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs)- Details in **Annexure IVA to IVE.**
28. Student projects

- percentage of students who have taken up in-house projects including inter-departmental projects – 100% post graduates (**Annexure VIII**)
- percentage of students doing projects in collaboration with other universities / industry / institute

29. Awards / recognitions received at the national and international level by Faculty and Students- Details in **Annexure V**

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any- Details in **Annexure VI**

31. Code of ethics for research followed by the departments

All the departmental projects (funded and non funded) are submitted to the Institutional Ethics Committee for approval.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES (I MBBS) 2015	12871	46%	54%	100%	100%
(I MBBS) 2014	15555	48%	52%	100%	100%
(I MBBS) 2013	8119	53%	47%	93.48%	95.24%
(I MBBS) 2012	16003	52%	48%	100%	100%
(I MBBS) 2011	12518	51%	49%	97.22%	100%
MD Pediatrics					
2015	247	0	100%	Yet to appear	
2014	265	50%	50%	Yet to appear	
2013	191	50%	50%	100%	
2012	149	50%	50%	100%	
2011	205	0	100%	100%	
Diploma Child Health					
2015	247	100%	0%	Yet to appear	
2014	265	100%	0%	100%	
2013	191	100%	0%	50%	
2012	149	0	100%	100%	

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES (I MBBS) 2015	12871	46%	54%	100%	100%
(I MBBS) 2014	15555	48%	52%	100%	100%
(I MBBS) 2013	8119	53%	47%	93.48%	95.24%
(I MBBS) 2012	16003	52%	48%	100%	100%
(I MBBS) 2011	12518	51%	49%	97.22%	100%
MD Pediatrics					
2015	247	0	100%	Yet to appear	
2014	265	50%	50%	Yet to appear	
2013	191	50%	50%	100%	
2012	149	50%	50%	100%	
2011	205	0	100%	100%	
Diploma Child Health					
2015	247	100%	0%	Yet to appear	
2014	265	100%	0%	100%	
2013	191	100%	0%	50%	
2012	149	0	100%	100%	
2011	205	100%	0%	100%	

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
DCH 2011	100	0	0	0
2012	100	0	0	0
2013	0	0	50	50
2014	100	0	0	0
2015	100	0	0	0
MD Ped 2011	100	0	0	0
2012	100	0	0	0
2013	100	0	0	0
2014	100	0	0	0

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2015	100	0	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. NIL

35. Student progression –

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	2 (32%)
from other universities within the State	4 (68%)
from universities from other States	0
from universities outside the country	0

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period -No

38. Present details of departmental infrastructural facilities with regard to

a) Library -

Books in Departmental library 250 + Central library 1294.

Journals subscribed in Departmental library NIL + Central library 6

b) Internet facilities for staff and students - Department has good connectivity of Wi-Fi and computers are being provided with this facility through HIS system

c) Total number of class rooms - 1) One Lecture Hall (with capacity of)

2) One demonstration room (with capacity

of 25)

3) One seminar room (with capacity of 50)

d) Class rooms with ICT facility and 'smart' class rooms: All lecture halls are wifi enabled and have LCD projection facility.

e) Students' laboratories -Yes (central lab)

f) Research laboratories -Yes (central lab)

39. List of doctoral, post-doctoral students and Research Associates-

a) from the host institution/university

Registered MD Candidates-

1. Dr Mohit Kurundwadkar
2. Dr Monika Gulia
3. Dr VibhaDubey
4. Dr Payal Meshram
5. Dr Minal Ambade
6. Dr Chayan Sarkar

Registered DCH Candidates-

1. Dr Rajeev Ranjan
2. Dr Dhruv Mishra
3. Dr Abhishek Thakur
4. Dr Rajesh Kumar

b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. - 2

1. Dr Kanchan Gawade

Title of Research: Apolipoprotein profile in low birth weight babies

Funding Amount: 25,000

Funding Agency: Research Committee, MGIMS

2. Dr Payal Meshram

Title of Research: Utility of the umbilical cord blood and peripheral venous blood parameters for prediction of neonatal sepsis and mortality in at risk newborns.

Funding Amount: 25,000

Funding Agency: Research Committee, MGIMS

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. NIL

42. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. After faculty feedback, appropriate teaching techniques are adopted.

- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. At the end of the Unit/system taught by each teacher, feedback is taken from the students in order to improvise and overcome limitations, if any. After verifying the students' feedback, appropriate teaching techniques are adopted. Also, in addition to this departmental feedback, at the institutional level, we have

- Mentor-Mentee meetings
 - Institutional feedback taken from the batch after passing out each professional examination of MBBS
- Alumni and employers on the programs offered and how does the department utilize the feedback? Collected at institutional level.

43. List the distinguished alumni of the department (maximum 10)- 10

1. Dr Ajay Gambhir
 - National President of National Neonatology Forum of India and Past National President of Indian Medical Association
2. Dr Satish Tiwari
 - National President of Indian Medico Legal and Ethics Association and Founder President of Infant and Young Child Feeding Chapter of IAP
3. Dr Balraj Yadav
 - Medicolegal Expert, Past Secretary of Infant and Young Child Feeding Chapter of IAP
4. Dr Milind Kamble
 - Prof & Head, GMC, Nanded.
5. Dr Manish Jain
 - Vaccinology Expert, Adolescence expert, Past National Executive Board Member, Indian Academy of Pediatrics
6. Dr Deepti Narang
 - Pediatric Intensivist and Allergy-Immunology Expert, PGIMER, Chandigarh
7. Dr Bhavana Dhingra
 - Prof and Head, AIIMS, Bhopal, Founder member and National Executive Board Member of Research in Child Health group of IAP.
8. Dr Amar Taksande
 - Pediatric Cardiologist and Professor of Pediatrics, JNMC,

DMIMS, Sawangi

9. Dr Akash Bang

- Pediatric Intensivist, Founder member and National Executive Board Member of IAP Research in Child Health group, and past Maharashtra State and current West Zonal Coordinator of Neonatal Resuscitation Trainings of IAP & NNF.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

1. Activities conducted at the institutional level under the Academy of Medical Sciences

2. Activities conducted by the department-

1 Theme: Advance neonatal resuscitation programme

- **Frequency of Training :** Annually
- **Target beneficiaries :** Post graduates , Interns, Medical officers
- **Key topics:** Newborn Resuscitation, Care of a normal newborn, Demonstration of equipments& procedures related to NICU
- **Resource persons:** Guest faculty from IAP and NNF

2 Theme : Pediatric advance life support

- **Frequency of Training:** annually
- **Target beneficiaries :** Post graduates , Interns, Medical officers
- **Key topics:** infant and child Resuscitation, Training in various procedures, skills and attitude for complete management of pediatric emergency.
- **Resource persons:** Guest faculty from IAP and NNF

3 Theme: Peritoneal dialysis and pediatric nephrology workshop

- **Target beneficiaries :** Consultants, Post graduates , Interns, Medical officers
- **Resource persons:** Guest faculty from IAP and Kidney Foundation for Children

4 Theme: 11th regional workshop on Facility Based Newborn Care (FBNC)

- **Organizing Secretary:** Dr K Y Vilhekar
- **Key topics:** Newborn Resuscitation, Care of a normal newborn, Diagnosis & Management of various neonatal emergencies, NICU protocols, Demonstration of equipments& procedures related to NICU

- **Resource persons:**All Faculty of Dept of Pediatrics

5 Theme:Annual Basic Neonatal Care Workshop

- **Frequency of Training:** Annually for last 23 years
- **Target beneficiaries:** Final year batch of MBBS students
- **Key topics:** Care of Normal New Born, Breastfeeding, Care of Low Birth Weight babies, Hypothermia, Neonatal Sepsis, Neonatal Jaundice, Transport of sick babies, Danger signs.
- **Resource persons:**All Faculty of Dept of Pediatrics

6 Theme:Annual Neonatal Resuscitation Training Workshop

- **Frequency of Training:** Annually for last 23 years
- **Target beneficiaries:** Final year batch of MBBS students
- **Key topics:** Physiology of Asphyxia, Initial steps of resuscitation, Positive Pressure Ventilation, Chest Compression, Intubation, Medications, Resuscitation of Preterms, Special Cases, Ethics.
- **Resource persons:**All Faculty of Dept of Pediatrics

7 Theme: Helping Babies Breathe

- **Target beneficiaries :** Post graduates(gynae and paed residents) , gynae and paed consultants and staff nurse involved in delivery room and operation theatre
- **Key topics:** Newborn Resuscitation, Care of a normal newborn, Demonstration of equipment's required in resuscitation
- **Resource persons:** Guest faculty and pediatric teaching staff

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- A regular and rigorous teaching program forms the backbone of the UG & PG training at our dept. For last 23 years, every year we have been conducting **basic neonatal care and neonatal resuscitation training workshops** for the UG's, PG's and nurses.
- Other **innovations** used include regular use of audiovisual aids; microteaching, small group tutorials & demonstrations for the final year students; orientation program for the freshers; practical demonstrations in skills lab with hands on training of CPR, intubation etc on manikins; stimulating learning through fun activities and competitions like UG & PG quiz and various competitions and UG symposia during breastfeeding week; and videos and role plays for IMNCI and IYCF training.

- All our PGs are trained in Neonatal & Pediatric Advanced Life Support (NALS & PALS). All faculty members are trained in Medical Education Technology.
- Directorate of Health Services, Govt of Maharashtra has acknowledged our training excellence by selecting us as the **only nodal center in Vidarbha region and one of the only 3 nodal centers in the Maharashtra state** for training of health care personnels (including pediatricians, medical officers, nurses) from Govt facilities in “**Facility Based Newborn Care**” and has also made us a training center for 6 months “**Medical Officers Certificate Program**” for specialty training of Medical Officers.
- The department has recently started an IAP accredited CPR training center for training of health care professionals from MGIMS and general public from surrounding areas in basic life support and for capacity building of health care professionals as trainers of basic life support.

46 How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- a. Evaluation of MBBS program is done through results of classroom/ internal assessment in following exams: Part Completion Tests, Terminal Exam & Preliminary Exam and University exams
- b. Feedback is collected from the students
- c. Feedback is collected from the faculty
- d. Discussion at curriculum committee meeting and college council regarding the same is conducted.
- e. Guidelines from university are followed.

47 Highlight the participation of students and faculty in extension activities.

2011-12

School Health Surveys

Theme	Venue	Faculty	Date	No of patients
Gandhi City Public School	Wardha	Dr Varsha Chavan, Dr Richa Chaudhari	3-02-2012	150

Community activities-

- PHC visits are made to the PHCs adopted by MGIMS by faculty from Pediatric dept
 - 1st Friday of every month- Talegaon PHC
 - 3rd Thursday of every month- Anji PHC

Orientation, ROME, Social service camps

- ROME Camp teaching of U.G. by Pediatric faculty- 4 visits for 2009 batch.

KHS Utawali Project, Melghat

- Pediatrics Dept has been sending postgraduates for taking care of the sick children and newborn at our Melghat project since the time of inception of the project.
 - Dr Rahul Poddar was posted from 1-1-12 to 15-02-12
 - Dr Praveen Bais was posted from 16-02-12 to 31-03-12
 - Dr Shital Musmade is posted currently from 1-4-12

2012-13

Rural Diagnostic camps

Theme	Venue	Attended by	Date	No of patients
General Health Checkup	Melghat	Dr Rahul Podder	8-02-2013	50
General Health Checkup	Hamdapur	Dr Rahul Podder, Dr Gopichand Waratkar	22-02- 2013	187
General Health Checkup	Mandgaon	Dr Praveen Bais, Dr Gopichand Waratkar	17-03- 2013	230

School Health Surveys-

Theme	Venue	Faculty	Date	No of patients
Rashtrabhasha Madhyamik Vidyalaya	Wardha	Dr Shubhangi Patil, Dr Manoj Meena	22-01- 2013	77

Community activities-

- PHC visits are made by Pediatric dept to the PHCs adopted by MGIMS
 - 1st Friday of every month- Talegaon PHC
 - 3rd Thursday of every month- Anji PHC

Orientation, ROME, Social service camps

- ROME Camp teaching of U.G. by Pediatric faculty- 4 visits for 2010 batch.

Melghat Project

- Pediatrics Dept has been sending postgraduates for taking care of the sick children and newborn at our Melghat project since the time of inception of the project.
 - Dr Shital Musmade from 1-4-12 to 15-05-12
 - Dr Manoj Meena from 7-5-12 to 2-7-12
 - Dr Mithilesh Singh from 1-7-12 to 13-8-12
 - Dr Richa Chaudhary from 1-8-12 to 2-10-12
 - Dr Shubhangi Patil from 1-10-12 to 20-11-12
 - Dr Shital Musmade from 15-11-12 to 31-12-12
 - Dr Richa Chaudhary from 1-1-13 to 31-1-13
 - Dr Mithilesh Singh from 1-2-13 to 28-2-13
 - Dr Manoj Meena from 1-3-13 to 28-3-13
 - Dr Deepshikha Jain from 29-3-13 till date

2013-14

Rural Diagnostic camps

Date	Venue	No of patients
19/6/2013	Deoli	17
18/10/2013	Selu Kate	67
23/10/2013	Selu Kate	59
29/12/2013	Alipur	127
2/2/2014	Khangaon	170
9/2/2014	Jiwati	30
12/2/2014	Madni	54
16/2/2014	Pokhra	100

School Health Surveys-

Date	Venue	No of patients
21 and 22/02/2014	Utawali	100
1/3/2014	Melghat	250

Orientation, ROME, Social service camps

- ROME Camp teaching of U.G. by Pediatric faculty- 4 visits for 2011 batch.

Melghat Project

- Pediatrics Dept has been posting postgraduates for the care of the sick children and newborns at the KHS Melghat project since the time of inception of the project. In 2013-2014 following PGs were posted-
 - Dr Deepshikha Jain from 29-3-13 to 6-5-13
 - Dr Tanushree Raut from 7-5-13 to 18-6-13

- Dr Yogendra Waratkar from 19-6-13 to 28-7-13
- Dr Manasi Kabra from 29-7-13 to 17-9-13
- Dr Shubhangi Patil from 18-9-13 to 5-11-13
- Dr Tanushree Raut from 6-11-13 to 18-12-13
- Dr Manasi Kabra from 19-12-13 to 31-1-14
- Dr Shital Musmade from 1-2-14 to 28-2-14
- Dr Shubhangi Patil from 1-3-14 to 31-3-13

2014-15

Rural Diagnostic camps

Theme	Venue	Attended by	Date	No of patients
Rajiv Gandhi Jeevandayi Yojana Camp	Dhotra	Dr Shubhangi Patil	17-07-14	50
Rajiv Gandhi Jeevandayi Yojana Camp	Pawnar	Dr Mithilesh Singh	23-07-14	36
Rajiv Gandhi Jeevandayi Yojana Camp	Goji	Dr Shubhangi Patil	27-08-14	55
Rajiv Gandhi Jeevandayi Yojana Camp	Wabgaon	Dr Vilhekar, Dr Sachin	21-01-15	20
Rajiv Gandhi Jeevandayi Yojana Camp	Padegaon	Dr Vilhekar, Dr Sachin	28-01-15	72
General Health Checkup	Utawali	Dr Vilhekar, Dr Yogendra, Dr Ravikiran	07-02-15	70
Rajiv Gandhi Jeevandayi Yojana Camp	Sindi Meghe	Dr Vilhekar	11-02-15	35

School Health Surveys-

Theme	Venue	Faculty	Date	No of patients
School Health Survey	Melghat	Dr Isha Deshmukh, Dr Ravikiran Shinde	01-04-2014	40

Orientation, ROME, Social service camps

- ROME Camp teaching of U.G. by Pediatric faculty- 4 visits for 2011 batch.

Utawali (Melghat) Project

- Pediatrics Dept has been sending postgraduates for taking care of the sick children and newborn at our Melghat project since the time of inception of the project.
 - Dr Ravikiran Shinde from 1 Apr 14 to 15 May 14
 - Dr Rajarshi Das from 15 May 14 to 30 Jun 14
 - Dr Kanchan Gawade from 1 Jul 14 to 15 Aug 14
 - Dr Punam Uke from 16 Aug 14 to 30 Sep 14
 - Dr Rajarshi Das from 1 Oct 14 to 31 Oct 14
 - Dr Ravikiran Shinde from 1 Nov 14 to 30 Nov 14
 - Dr Sachin Thorakar from 1 Dec 14 to 15 Jan 15
 - Dr Deepshikha Jain from 15 Jan 15 to 31 Jan 15
 - Dr Yogendra Waratkar from 1 Feb 15 to 15 Feb 15
 - Dr Rajarshi Das from 15 Feb 15 to 16 Mar 15
 - Dr Deepak Tiwari from 16 Mar 15 to 30 Apr 15

2015-16

Rural Diagnostic camps

Theme	Venue	Attended by	Date	No of patients
Baal Arogya Abhiyaan	Kharanga na Gode	Dr K Y Vilhekar, Dr Dhruv Mishra	28-05-15	50
Baal Arogya Abhiyaan	Bhidi	Dr K Y Vilhekar, Dr Dhruv Mishra	29-05-15	49
General Rural Diagnostic Camp	Kamthi	Dr Manish Jain, Dr Akhilesh	02-08-15	60
General Rural Diagnostic Camp	Umre	Dr K Y Vilhekar, Dr Rajarshi Das	10-09-15	89
General Rural Diagnostic Camp	Warud	Dr K Y Vilhekar, Dr Rajarshi Das	13-09-15	7
General Rural Diagnostic Camp	Seloo	Dr Yogendra Waratkar	01-10-15	10
General Rural Diagnostic Camp	Padegaon	Dr Yogendra, Dr Ravikiran	15-10-15	60
General Rural Diagnostic Camp	Dharni	Dr K Y Vilhekar, Dr Sachin Thorakar	05-02-16	130
Rajiv Gandhi Jeevandayi Yojana Camp	Jaam	Dr Ganesh Motwani, Dr Rajeev Ranjan	06-03-16	104

Orientation, ROME, Social service camps

- ROME Camp teaching of U.G. by Pediatric faculty- 4 visits for 2012 batch.

KHS-Utawali Project

- Pediatrics Dept has been sending postgraduates for taking care of the sick children and newborn at our Mother and Child Hospital, Utawali since the time of inception of the project.
- Following postgraduates, Senior Residents and Assistant Professors have been posted for the following period-
 - Dr Deepak Tiwari from 16 Mar 15 to 30 Apr 15
 - Dr Mohit Kurundwadkar from 15 Jun 15 to 2 Aug 15
 - Dr Monika Gulia from 3 Aug 15 to 20 Sep 15
 - Dr Rajeev Ranjan from 21 Sep 15 to 16 Nov 15
 - Dr Vibha Dubey from 17 Nov 15 to 4 Jan 16
 - Dr Sachin Thorakar from 5 Jan 16 to 6 Feb 16
 - Dr Punam Uke from 7 Feb 16 to 7 Mar 16
 - Dr Kanchan Gawade from 8 Mar 16 to 4 Apr 16
 - Dr Yogendra Waratkar from 29 Mar 16 to 18 Apr 16

48 Give details of “beyond syllabus scholarly activities” of the department. Organization of following workshops which are not a part of standard university curriculum

- a. Cardio Pulmonary Resuscitation
- b. Basic Neonatal Care
- c. Neonatal Resuscitation Program
- d. Integrated Management of Neonatal and Childhood Illnesses
- e. Infant and Young Child Feeding
- f. Pediatric Advanced Life Support
- g. Advanced neonatal Resuscitation Training
- h. IAP UG and PG Quizzes
- i. NNF PG quizzes

- State whether the program/ department is accredited/ graded by other agencies?

Yes

Date of MBBS recognition by MCI: 22-04-1976

Date of MD recognition by MCI: 27-03-2001

Date of last inspection of

MCI: 05-02-2016

MUHS: 02-03-2015

Other Accreditation for the Dept:

- Pediatrics Department has been accredited by the Indian Academy of Pediatrics as an IAP accredited CPR training center for conducting provider and instructor level courses in Basic Life Support.
- Directorate of Health Services Maharashtra has selected department of Pediatrics as the only nodal center in Vidarbha and one of the only 3 nodal centers in Maharashtra state for training of government health personnels (including pediatricians, medical officers, nurses) in “**Facility Based Newborn Care**”
 - Selected as training center by Govt of Maharashtra for 6 months training of Medical Officers in Pediatrics under “Medical Officers Certificate Program.”
 - Dept of Pediatrics is a study center for IGNOU 1 year PG Diploma course and 2 years MSc course in counseling and family therapy
 - Dept of Pediatrics is a training center for practical training of IGNOU PG Diploma in Maternal and Child Health run under Dept of Community Medicine, MGIMS

50 Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Our faculty includes senior academicians well known at the national level as well as young super-specialists. Many faculty members are already
- recognized by IAP & NNF as **national resource faculty** for various important and prestigious training programs, workshops and courses like PALS, NALS, BLS, Golden Hour Emergency Management, NSSK, Vaccinology etc.;
- are at key positions in professional organizations;
- invited for guest lectures at state & national level;
- are editorial board members and reviewers for national/international journals;
- have received various awards and fellowships; and
- have a keen interest and have received formal/informal training in much wider areas like medical education technology, epidemiology, statistics, research methods, biomedical ethics etc.

- The dept has been involved with various multicentric studies (eg 6 RCTs, 5 cross sectional studies in last 3 years) and many short term ICMR studies.

51 Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Major strengths:

- * Situated in one of the state's geographically underdeveloped areas, the college has very good patient inflow, which facilitates the students to learn diverse disease processes with ease.
- * Good hands-on training with adequate study material
- * Well experienced teaching faculty
- * Well-equipped NICU and PICU facility, hostel facilities within the campus

Weaknesses:

- * No 2D ECHO Machine for echocardiography

Opportunities:

- * Opportunity to serve medical service to rural population
- * Identify areas of research in the rural scenario
- * School health survey for various problems in children
- * Screen tribal pediatric population for PEM and other congenital anomalies
- * Control of malnutrition and its complication in our tribal maternal and child health Centre

Challenges

- * Development of superspeciality services in our set up (pediatric cardiology /surgery)
- * Start adolescent health clinic
- * Increase the coverage of optional vaccine
- * Pediatric dialysis unit

52 Future plans of the department.

- In future we would like to extend our services from the present age of 12 years to include adolescents up to 15 years of age and start adolescent clinic as now we have a faculty trained in **Adolescent Care**. This will include various adolescence services including sex education, counseling and diagnosis and treatment of various adolescent physical and mental health problems.
- The Pediatric and Neonatal ICU's are already catering sickest of the children. We plan to upgrade the PICU and NICU to world class level III ICUs. The

infrastructure and equipment needed for this will be acquired through the “Mother and Child Hospital” that Govt of India has already sanctioned at MGIMS. For the excellence in academic training and research, the department is exploring the possibility of a collaboration with **Stanford University, USA**, to start teaching programs and possibly bilateral exchange programs for nurses and doctors working in Neonatology.

- We also plan to start **Fellowships in Neonatology and Pediatric Intensive Care** as we have a faculty certified in Pediatric Intensive Care. As a pre-requisite to starting these fellowships, we plan to increase the PG seats and make **PICU and NICU** separate divisions of Pediatrics dept with a dedicated team of consultants & PGs round the clock.
- We also plan to undertake **Navjaat Shishu Suraksha Karyakram training** for medical officers and nurses of Wardha district; **First Golden Minute Neonatal Resuscitation Program trainings** for practicing pediatricians, gynecologists, paramedics and GPs; and **Basic Life Support course** for teachers, traffic police, nurses, parents and general public.
- Our faculty is trained in epidemiology; advanced health research methodology; and vaccinology. We plan to undertake more funded research and continue with the non funded research in form of PG theses and ICMR STS.

ANNEXURES FROM PEDIATRICS

ANNEXURE 1A: PUBLICATIONS (2011-2016)

1. **Taksande A, Vilhekar KY.**
Neonatal genital prolapse.
J Indian Med Assoc 2011;109:502-503. (PMID: 22315847). Impact Factor 0.31
2. **Taksande A, Vilhekar KY, Prabhu S.**
Cardiac involvement in systemic infections.
Indian J Pract Pediatrics 2011; 13(3): 265-272. Impact Factor 0
3. **Taksande A, Vilhekar KY, Kumar A.**
Acute acalculous cholecystitis. A rare complication of typhoid fever in 13 months child.
J Pediatric Infectious Diseases 2011; 6: 1-3. Impact Factor 0.22
4. **Bang A, Tiwari S.**
Infant and young child feeding guidelines 2010.
Indian Pediatr 2011; 48(7): 572-3. Impact Factor 0.51

5. **Chauhan VH, Taksande A, Vilhekar KY.**
Collodion baby syndrome.
New Indian J Pediatrics 2012;1(1):27-28.Impact Factor 0
6. **Patel A, Dhande L, Bang A, Malik A, Chelliah L R, Singh M, Khadse S.**
ISPO(T(IndiaCLEN Severe Pneumonia Oral Therapy). Efficacy of 7 day course of ambulatory oral amoxicillin for treating severe pneumonia in 3-59 months old Indian children: Multicentric randomised control trial (ISPO(T Group)).
Pediatric Res 2011;70 (Suppl 5s), Supp: 15; doi:10.1038/pr.2011.240.
Impact Factor 2.32
7. **Taksande A, Vilhekar KY.**
Neonatal resuscitation training programme- its efficacy at rural hospital.
Medical J Islamic World Acad Sciences 2012; 20(1): 6-9. Impact Factor 0
8. **Chauhan VH, Taksande A, Vilhekar KY.**
Pulmonary Sequestration.
New Indian J Pediatr 2012;1(2):72-75.Impact Factor 0
9. **Kundapur R, Bang A, Kumar V, Kumar A, Badiger S, Jain A.**
Quality assessment of immunization programme for children under five in Davanogeret taluk of south India.
J Clin Diagn Res 2012; 6(5):828-831.Impact Factor 0.65
10. **Chauhan VH, Taksande A, Vilhekar KY.**
Attention Deficit Hyperactivity Disorder in primary school going children.
New Indian J Pediatr 2012;1(3):104-106. Impact Factor 0
11. **Chauhan VH, Taksande A, Vilhekar KY.**
Congenital cystic adenomatoid malformation of lung.
New Indian J Pediatr 2012;1(3):123-125.Impact Factor 0
12. **Gosavi DD, Suman A, Jain M.**
Sodium valproate induced increased frequency of micturition and enuresis.
Indian J Pharmacol 2013;45:87-88.Impact Factor 0.17
13. **Taksande AM, Vilhekar KY.**
Oculoauriculovertebral spectrum with radial anomaly in child.
J Family Med Prim Care 2013; 2(1):92-4. (PMID: 24479055).Impact Factor 0.67
14. **Chauhan VH, Vilhekar KY, Chaudhary R.**
Joubert syndrome- Rare case of hypotonia and developmental delay in infancy and childhood.
Asian J Clinical Pediatr Neonatol 2013;1(1):14.Impact Factor 0
15. **Chauhan VH, Vilhekar KY, Srivastava M, Chaudhary R, Singh M.**

Congenital left hemiparesis due to schizencephaly.
New Indian J Pediatr 2013; 2(2):79-81. Impact Factor 0

16. Taksande AM, Vilhekar KY.

A case report of ectopic cordis and omphalocele.
Indian J Hum Genet 2013; 19(4):491-3. (PMID: 24497721). Impact Factor 0.77

17. Manoharan A, Alliance for Surveillance of Invasive Pneumococci {ASIP} Study Group, Deloria- Knoll M, Kahn GD, O' Brien KL.

Alliance for Surveillance of Invasive Pneumococci {ASIP} Study Group, serotype, syndrome distribution and antimicrobial susceptibility of isolates from Invasive Pneumococcal Disease (IPD) in children <5 years in India.

Pneumonia 2014; 3: 252. Impact Factor 0

18. Lalwani S, Modak M, Suryavanshi K, Palkar S, Manoharan A, Sapru A, Satpute M, Karande S, Natarajan G, Manglani M, Gajre M, Baveja S, De A, Joshi S, Navale V, Bang A, Mendiratta D, Mohite M, Amdekar Y, Khosala I.

Multicenter prospective surveillance of invasive pneumococcal disease in children (<5 years) from Maharashtra, India.

Pneumonia 2014; volume 3: page 176. Impact Factor 0

19. Bang A, Bellad R, Gisore P, Hibberd P, Patel A, Goudar S, Esamai F, Goco N, Meleth S, Derman RJ, Liechty EA, McClure E, Carlo WA, Wright LL.

Implementation and evaluation of the helping babies breathe curriculum in three resource limited settings: does helping babies breathe save lives? A study protocol.

BMC Pregnancy Childbirth 2014 Mar 26; 14(1):116. (PMID 24670013) Impact Factor 2.52

20. Bang A.

Basic neonatal resuscitation trainings: Need of the hour.

The Health Agenda 2014; 2(3):77-81. Impact Factor 0

21. Bang A, Tiwari S.

Editorial: Sex Education: Hype, myth or necessity.

New Indian J Pediatr 2014; 3(2):43-51. Impact Factor 0

22. Jain M, Jain S, Patil S, Bang A.

A study on knowledge, attitude and practice of contraception in school going children in Wardha district in central India.

Int J Reprod Contracept Obstet Gynecol 2014; 3: 903-908. Impact Factor 1.09

23. Deshmukh I, Bang A, Jain M, Vilhekar KY.

Concurrent acute disseminated encephalomyelitis and Guillain-Barré syndrome in a child.

J Pediatr Neurosci 2015; 10(1):61-3. (PMID: 25878749) Impact Factor 0.61

24. Patel AB, Bang A, Singh M, Dhande L, Chelliah LR, Malik A, Khadse S, and ISPOT Study Group.

A randomized controlled trial of hospital versus home based therapy with oral amoxicillin for severe pneumonia in children aged 3 - 59 months: The India CLEN Severe Pneumonia Oral Therapy (ISPOT) Study.

BMC Pediatr 2015 Nov 17;15(1):186. DOI: 10.1186/s12887-015-0510-9. (PMID: 26577943)

Impact Factor 1.82

25. Jategaonkar PA, Jategaonkar SP, Yadav SP.

Luminal Jejunal Gossypiboma causing Acute Obstruction with no Trails of Transmural Invasion—A Surgical Mystery: Report of an Unusual Case.

Hellenic Journal of Surgery (2016) 88:1, 63-65. Impact Factor 0.08

26. Jategaonkar PA, Jategaonkar SP, Yadav SP.

“Sigmoid” Esophagus: What may be an essential step at myotomy for avoiding failures?

Hellenic Journal of Surgery (2016) 88:1, 51-52. Impact Factor 0.08

27. Jategaonkar PA, Jategaonkar SP, Yadav SP.

ZEAL: “Z” Ending Abdominal Laparoscopy—A Simple and Effective Technique of Port Insertion.

Hellenic Journal of Surgery (2016) 88:1, 63-65. Impact Factor 0.08

28. Jain MA, Jain SM, Patil S, Bang A.

A study on knowledge, attitude and practice of sexually transmitted diseases and HIV in adolescent population in Wardha, Maharashtra, India.

Int J Contemp Pediatr. 2016; 3(2): 367-372. Impact Factor 0

ANNEXURE 1B. CHAPTERS IN BOOKS (2011-2016)

1. Taksande A, Vilhekar KY, Tiwari SK.

Preventing Birth Defects.

In: Gupte S (ed)

Recent Advances in Pediatrics – Vol 20: Hot Topics

Jaypee Brothers Medical Publishers Ltd, New Delhi, 2011:358-368.

2. Bang A, Chaturvedi P.

Developmental Readiness and Infant Feeding.

In: Bhardva K, Tiwari S, Chaturvedi P, Bang A, Agarwal RK (eds).

Feeding Fundamentals: A Hand Book of Infant and Young Child Nutrition.

PEDICON 2011, Jaipur, 2011: 35-41.

3. **Bang A, Tiwari S, Agarwal RK.**
Legal and ethical issues in infant growth.
In: Preedy VR (ed.).
Handbook of Growth and Growth Monitoring in Health and Disease. Vol 1.
Springer Science+Business Media, LLC, New York, 2012:115-129.
4. **Agarwal RK, Bang A, Tiwari S.**
Optimal infant feeding and its effects on growth: An Indian Perspective.
In: Preedy VR (ed.)
Handbook of Growth and Growth Monitoring in Health and Disease. Vol 1.
Springer Science+Business Media, LLC, New York, 2012: 597-609.
5. **Bang A, Tiwari SK.**
Dietary Management of Diarrhea.
In: Gupte S (ed).
Recent Advances in Pediatrics (Special volume 23) Pediatric Gastroenterology, Hepatology and Nutrition.
Jaypee Brothers, New Delhi, 2013:341-355.
6. **Tiwari SK, Bang A.**
Sex Education.
In: Mathur GP, Mathur S, Faridi MMA (eds).
Textbook of Pediatrics. (1st Ed)
CBS Publishers, New Delhi, 2015; 7-8.
ISBN: 978-81-239-2471-7.
7. **Bang A, Hingorani P.**
Trichinosis.
In: Gupta P, Menon PSN, Ramji S, Lodha R (eds).
PG Textbook of Pediatrics. (1st Ed)
Jaypee Brothers Medical Publishers, New Delhi, 2015: 1261-3.
ISBN: 978-93-5152-955-2.

ANNEXURE 1C. BOOKS EDITED (2011-2016)

1. **Bhardva K, Tiwari S, Chaturvedi P, Bang A, Agarwal RK (eds).**
Feeding Fundamentals: A Hand Book of Infant and Young Child Nutrition
PEDICON 2011, Jaipur, 2011.
2. **Bang A.** (Section Editor for Section V: Children in the ICU.)
In: Goel A, Joshi R, Jain AP.
ICU Manual, 3rd Ed.
Paras Medical Publisher, Hyderabad. 2013: 359-386.
ISBN: 978-81-8191-374-6

ANNEXURE II. GUEST LECTURES / TASK FORCE MEETINGS (2011-2016)

- 1. Bang A.**
Steering Committee meeting of Indian Cardiovascular Research & Advocacy Group
Gangtok (Sikkim), 8 Apr 2011
- 2. Bang A.**
Assessment of sick children.
Pediatric Advanced Life Support
Ahmedabad, Gujarat, 21-22 May 2011
- 3. Bang A.**
ICMR-PATH workshop on childhood pneumonia- current status and future strategies
New Delhi, 21-22 Jul 2011
- 4. Jain M, Bang A.**
Pediatric Advanced Life Support
Sevagram, 20-21 Aug 2011
- 5. Bang A.**
IAP NRP FGM Basic Neonatal Care and Resuscitation Program TOT Course
Raipur (Chhattisgarh), 27-28 Aug 2011
- 6. Bang A.**
Burns in children
IAP Golden Hour Emergency Management course
Rourkela, 7-8 Oct 2011
- 7. Bang A.**
Metabolic causes of respiratory distress
IAP Golden Hour Emergency Management course
Rourkela, 7-8 Oct 2011
- 8. Bang A.**
Acute abdomen
IAP Golden Hour Emergency Management course
Rourkela, 7-8 Oct 2011
- 9. Bang A.**
6th training of Master Trainers of Emergency Obstetrics Care project
NRHM, Sevagram, 5 Dec 2011
- 10. Bang A.**
Neonatal seizures- etiology in Indian perspective.
7th Annual Conference of IAP Nagpur - NAPCON 2011,

- Nagpur, 10-11 Dec 2011
11. **Bang A.**
6th training of Medical Officers of Emergency Obstetrics Care project
NRHM, Sevagram, 27 Dec 2011
 12. **Vilhekar KY, Jain M, Bang A, Chavan V.**
1st Workshop on Facility Based Newborn Care,
Sevagram, 4-7 Jan 2012
 13. **Bang A.**
National TOT Advanced NRP & IAP Neonatal Resuscitation Training -
First Golden Minute
Gurgaon, 17-18 Jan 2012
 14. **Bang A.**
Steering Committee meeting of the Global Network for Women and
Children's Health of the Eunice Kennedy Shriver National Institute of
Child Health and Human Development, NIH, USA.
Fort Lauderdale, Florida, USA, 27 Jan – 1 Feb 2012
 15. **Vilhekar KY, Jain M, Chavan V.**
2nd Workshop on Facility Based Newborn Care,
Sevagram, 30 Jan – 2 Feb 2012
 16. **Vilhekar KY, Jain M, Bang A, Chavan V.**
3rd Workshop on Facility Based Newborn Care
Sevagram, 29 Feb – 3 Mar 2012
 17. **Jain M, Bang A.**
TOT on Essential Newborn Care & Neonatal Resuscitation Program
Nagpur, 6 Mar 2012
 18. **Bang A.**
Planning and Coordination meeting of IAP NRP FGM
Gurgaon, 18 Mar 2012
 19. **Jain M.**
Vaccination in special situations. (*Guest Lecture*)
Advancing Science of Vaccinology, Amravati, 8 Apr 2012.
 20. **Jain M, Bang A.**
Training of Trainers on American Academy of Pediatrics Basic Newborn
Resuscitation Course- "Helping Babies Breathe" (*Faculty*)
Nagpur, 18-20 May 2012
 21. **Bang A.**
ASIP Study: 4th Investigators' Meeting
Mumbai, 9-10 Jun 2012
 22. **Bang A.**
Infant feeding and growth patterns. (*Moderator*)

- 2nd Annual National Conference of Infant and Young Child Feeding Chapter of Indian Academy of Pediatrics, New Delhi, 5 Aug 2012.
23. **Bang A.**
Management of Pediatric Airway. (*Faculty*)
Pediatric Advanced Life Support, Aurangabad, 20-21 Oct 2012.
 24. **Jain M**
TOT on Comprehensive Child Care Program- IAP Mission Uday, Kolkata, 15-16 Jan 2013
 25. **Jain M**
Instructor update on Advanced Neonatal Resuscitation, Pune, 27 Jan 2013
 26. **Bang A.**
Evaluation of the progress, successes and challenges in implementation of “Helping Babies Breathe” Training Programme
Organised by Chief Secretary, Govt of Maharashtra, Nagpur, 23 Dec 2012
 27. **Bang A.**
Planning and Coordination Meeting of the State Academic Coordinators of Indian Academy of Pediatrics & National Neonatology Forum Neonatal Resuscitation Training- First Golden Minute Project
Kolkata, 14 Jan 2013
 28. **Bang A.**
National TOT of Advanced NRP & IAP NNF Neonatal Resuscitation Training- First Golden Minute (*Faculty*)
Kolkata, 15-16 Jan 2013
 29. **Bang A.**
Steering Committee meeting of the Global Network for Women and Children’s Health of the Eunice Kennedy Shriver National Institute of Child Health and Human Development
NIH, Fort Lauderdale, Florida, USA, 27 – 31 Jan 2013
 30. **Jain M, Bang A.**
Basic newborn resuscitation refresher training workshop - ‘Helping babies breathe’ (*Faculty*)
MGIMS, Sevagram, 1 Apr 2013
 31. **Bang A.**
Basic newborn resuscitation refresher training workshop- ‘Helping babies breathe’ (*Faculty*)
MGIMS, Sevagram, 13 Jul 2012
 32. **Jain M, Bang A.**
IAP NNF Basic Newborn Care and Resuscitation Training Program (*Faculty*)
JNMC, Sawangi, 13 Aug 2013

33. **Vilhekar KY, Jain M, Bang A, Chauhan VH, Chaudhary R.**
20th workshop on Advanced Neonatal Resuscitation (*Faculty*)
MGIMS, Sevagram, 1 Sep 2013
34. **Vilhekar KY, Jain M, Bang A, Chauhan VH, Chaudhary R, Singh M, Dange R.**
7th workshop on Facility Based Newborn Care (*Faculty*)
MGIMS, Sevagram, 23-26 Sep 2013.
35. **Vilhekar KY, Jain M, Bang A, Chauhan VH, Deshmukh I, Chaudhary R, Singh M, Dange R.**
8th workshop on Facility Based Newborn Care (*Faculty*)
MGIMS, Sevagram, 23-26 Dec 2013.
36. **Jain M, Bang A.**
Pediatric Advanced Life Support (*Faculty*)
Aurangabad, 28-29 Dec 2013
37. **Bang A.**
Planning and Coordination Meeting of the State Academic Coordinators of Indian Academy of Pediatrics & National Neonatology Forum Neonatal Resuscitation
Training- First Golden Minute Project.
Indore, 6 Jan 2014.
38. **Bang A, Jain M.**
National TOT of Advanced NRP & IAP NNF Neonatal Resuscitation
Training- First Golden Minute (*Faculty*)
Indore, 7-8 Jan 2014.
39. **Bang A, Jain M.**
Meeting of the Central Core Committee for Research in Advanced NRP & IAP NNF
Neonatal Resuscitation Training- First Golden Minute Program
Indore, 8 Jan 2014.
40. **Jain M.**
District Training of Trainers in Basic Neonatal Care and Resuscitation (*Faculty*)
Jamshedpur, 18-19 Jan 2014.
41. **Vilhekar KY, Jain M, Bang A, Chauhan VH, Deshmukh I, Chaudhary R, Singh M, Dange R.**
9th workshop on Facility Based Newborn Care (*Faculty*)
Sevagram, 10-13 Feb 2014.
42. **Vilhekar KY, Jain M, Bang A, Chauhan VH, Deshmukh I, Chaudhary R, Singh M, Dange R.**
10th workshop on Facility Based Newborn Care (*Faculty*)
Sevagram, 13-16 Mar 2014.

43. **Bang A.**
IAP NNF Advanced Neonatal Resuscitation Training Workshop (*Faculty*)
Mumbai, 30 Mar 2014.
44. **Jain M.**
Malaria- diagnostic and therapeutic advances. (*Faculty*)
Indian Academy of Pediatrics Mission Uday workshop, Bilaspur,
Chhatisgarh, 6 Jul 2014.
45. **Jain M.**
Typhoid fever- recent advances. (*Faculty*)
Indian Academy of Pediatrics Mission Uday workshop,
Bilaspur, Chhatisgarh, 6 Jul 2014.
46. **Vilhekar KY, Jain M, Bang A, Chauhan VH**
11th workshop on Facility Based Newborn Care .(*Faculty*)
Sevagram, 6-9 Aug 2014.
47. **Bang A.**
Indian Academy of Pediatrics – Basic Life Support workshop.(*Faculty*)
Amravati, 14 Sep 2014.
48. **Bang A.**
National consultative meeting on “Helping 100k babies survive and thrive
project”launch in India.
New Delhi, 19 Sep 2014.
49. **Jain M.**
High quality CPR.(*Faculty*)
Indian Academy of Pediatrics – Basic Life Support workshop,
NKPSIMS, Nagpur, 23 Nov 2014.
50. **Bang A.**
Changes in BLS guidelines. (*Faculty*)
Indian Academy of Pediatrics – Basic Life Support workshop
NKPSIMS, Nagpur, 23 Nov 2014.
51. **Jain M.**
Basic Life Support.(*Faculty*)
Pediatric Advanced Life Support
Nanded, 10-11 Jan 2015.
52. **Bang A.**
Cardiac rhythm disturbances in children. (*Faculty*)
Pediatric Advanced Life Support
Nanded, 10-11 Jan 2015.
53. **Jain M.**
High quality CPR.(*Faculty*)
Indian Academy of Pediatrics – Basic Life Support workshop,
NKPSIMS, Nagpur, 16 Jan 2015.

- 54. Jain M, Bang A.**
National Training of Trainers of Indian Academy of Pediatrics and National Neonatology
Forum on Advanced Neonatal Resuscitation. (*Faculty*)
New Delhi, 20-21 Jan 2015.
- 55. Jain M.**
Indian Academy of Pediatrics – Advanced Life Support workshop. (*Faculty*)
Akola, 20-21 Feb 2015.
- 56. Jain M.**
National Executive Body Meeting, Indian Academy of Pediatrics.
Mumbai, 14 Mar 2015.
- 57. Jain M.**
Indian Academy of Pediatrics Advanced Neonatal Resuscitation Workshop (*Faculty*)
Bhilai, Chhattisgarh, 29 Mar 2015.
- 58. Bang A.**
Basic Neonatal Resuscitation- what you must know (*Faculty*)
CME on Perinatal Asphyxia, JNMC, SawangiMeghe, 6 Apr 2015
- 59. Bang A**
IAP NNF Basic Neonatal Care and Resuscitation workshop (*Faculty*)
CPS, Mumbai, 7 Jun 2015
- 60. Bang A**
IAP NNF Training of Trainers in Basic Neonatal Care and Resuscitation (*Faculty*)
LTMC and Sion Hospital, Mumbai, 11 Jun 2015
- 61. Bang A**
IAP NNF Basic Neonatal Care and Resuscitation workshop (*Faculty*)
KD Ambani Hospital and Research Center, Mumbai, 12 Jun 2015
- 62. Jain M, Bang A**
Indian Academy of Pediatrics – Advanced Life Support workshop (*Faculty*)
Aurangabad, 4 -5 Jul 2015
- 63. Jain M, Bang A**
IAP NNF Field Testing workshop on “Helping 100K Babies Survive and Thrive Initiative India” (*Faculty*)
Meerut, 20-23 Aug 2015
- 64. Jain M, Bang A. (Faculty)**
1st IAP NNF Training of Trainers of “Helping 100K Babies Survive and Thrive Initiative India” (*Faculty*)
Hyderabad, 17-20 Jan 2016

65. **Bang A.**
Neonatal Resuscitation - Dos and Don'ts (*Faculty*)
IAP-FOGSI Perinatology Workshop, Nagpur, 31 Jan 2016
66. **Bang A.**
Basic Neonatal Resuscitation (*Faculty*)
Masterclass 2016, Chandrapur, 27 Mar 2016

**ANNEXURE III. FACULTY SERVING IN COMMITTEES / EDITORIAL
BOARDS (2011-2016)**

a) National Committees

Vilhekar KY, Jain M, Bang A, Chavan V

National Resource Faculty, Facility based newborn care training programme, Directorate of Health Services, Maharashtra under GOI's NRHM

Jain M, Bang A

National Resource Faculty, Neonatal Advanced Life Support workshop of National Neonatology Forum(NNF)

National Resource Faculty, Advanced Life Support workshop of Indian Academy of Pediatrics(IAP)

National Resource Faculty, Golden Hour Emergency Management Course of IAP

National Resource Faculty, IAP Neonatal Resuscitation Program- First Golden Minute Project

National Resource Faculty, Govt of India NRHM's

NavjaatShishuSurakshaKaryakram

National Resource Faculty, Pediatric Basic Life Support course of IAP

National Resource Faculty, Govt of India NRHM's Emergency Obstetric & Neonatal Care

American Academy of Pediatrics Helping Babies Breathe Training Course

Jain M

National Resource Faculty, Advancing Science of Vaccinology course of IAP

National Resource Faculty, Adolescent Office Practice workshop of IAP

District Coordinator, Wardha, Washim, Amravati districts, IAP

IAP Comprehensive Child Care Program- Mission Uday Project.

Executive Body Member, Nagpur Academy of Pediatrics

National Executive Board Member, Central body of IAP

Executive Member, Maharashtra State chapter of IAP.
West Zonal Coordinator of IAP UG Pediatric Quiz

Bang A

State Academic Coordinator, Maharashtra State, IAP Neonatal Resuscitation Program – First Golden Minute Project (IAP NRP FGM)
Regional Academic Coordinator, Vidarbha region, IAP NRP FGM
National Resource Faculty for Pediatric Emergency Medicine Course of IAP
Member National Central Coordination Committee, Infant and Young Feeding Chapter, IAP
Founder Member, IAP Subspecialty chapter on Research in Child Health
Executive Body Member, Nagpur Academy of Pediatrics
National Executive Body Member IAP Subspecialty group on Research in Child Health

Jategaonkar S

Executive Member, Thane Academy of Pediatrics

c) Editorial Boards

Bang A

International Editorial Advisory Board, *Int Med J Students Res*
Editorial Board, *The New Indian J Pediatrics*

ANNEXURE IVA. CONFERENCES ATTENDED

Deshmukh I.

14th Workshop on Biomedical Informatics
Sevagram, 5-6 Dec 2011

Deshmukh I.

7th NAPCON
Nagpur, 10-11 Dec 2011

Deshmukh I.

Approach to Skeletal dysplasia
Pune, 12 Feb 2012

Deshmukh I.

Training in “Good Clinical Practice”
Mumbai, 25 Feb 2012

Vilhekar KY.

MAHAPEDICON 2011
Nashik, 2-4 Dec 2011

Jain M, Bang A.

49th Annual National conference, IAP, Pedicon 2012
Gurgaon, 20-22 Jan 2012

Deshmukh I.

Ethics and Regulations
Mumbai, 26 Feb 2012

Deshmukh I.

Basic Trauma Care
Sevagram, 10-11 Mar 2012

Deshmukh I.

Updates on Sinus Infections
Sevagram, 31 Mar 2012

Jain M

National Conference on Childhood Disabilities
Nagpur, 15-16 Sep 2012

Vilhekar KY

Annual Conference of Maharashtra State Chapter of Indian Academy of
Pediatrics
Mumbai, 5 – 7 Oct 2012

Jain M

50th Annual National Conference of Indian Academy of Pediatrics-
PEDICON 2013
Kolkata, 18-20 Jan 2013

Vilhekar KY

CME on A Review of Clinical Anatomy of Kidney in Context of Present
day Needs.
MGIMS Sevagram, 24 Jan 2013

Vilhekar KY

International Conference of Neuropsychopharmacology
MGIMS Sevagram, 10 Feb 2013

Vilhekar KY, Jain M, Chauhan VH.

24th Annual Conference of Maharashtra Academy of Pediatrics
'MAHAPEDICON 2013' and 9th annual conference of Nagpur Academy
of Pediatrics
Nagpur, 18-20 Oct 2013

Jain M.

51st Annual National conference of Indian Academy of Pediatrics-
PEDICON 2014,
Indore, 9-12 Jan 2014.

Vilhekar KY.

National Conference on Pediatric Neurology- NEUROPEDICON 2014

Pune, 11-12 Oct 2014.

Chauhan V.

Indus 2014

Lucknow, 17-19 Oct 2014.

Jain M.

International Conference on Obstetrics and Gynecology- FIGO-SAFOG-SLCOG 2014

Colombo, Sri Lanka, 30 Oct – 2 Nov 2014.

Vilhekar KY.

Annual Conference of Maharashtra State Chapter of Indian Academy of Pediatrics-MAHAPEDICON 2014

Mumbai, 7 – 9 Nov 2014.

Bang A.

16th National Conference on Pediatric Critical Care- NCPCC 2014

New Delhi, 7-9 Nov 2014.

Bang A, Jain M.

CME on Neuroimaging in Pediatrics

JNMC, Sawangi, 19 Nov 2014.

Vilhekar KY, Jain M, Bang A.

10th Annual Conference of Nagpur Academy of Pediatrics

Nagpur, 29-30 Nov 2014.

Jain M, Bang A.

52nd Annual Conference of Indian Academy of Pediatrics, PEDICON 2015

New Delhi, 22 - 25 Jan 2015.

Vilhekar KY, Jain M, Bang A, Chauhan V.

CME on Recent updates in Pediatric Nephrology

MGIMS, Sevagram, 27 Sep 2015

Vilhekar KY, Jain M, Bang A.

15th Annual National Conference of Neurology Chapter of Indian Academy of Pediatrics-Neuropedicon 2015

Nagpur, 16-18 Oct 2015.

Jategaonkar SP.

National Conference on Pediatric Pulmonology- RESPICON 2015

Mumbai, Nov 2015

Jategaonkar SP.

Annual Conference on Thane Academy of Pediatrics- TAPICON 2015

Thane, Dec 2015

Bang A.

1st National Conference on Neonatal Hemodynamics

Pune, 12-13 Mar 2016

ANNEXURE IVB. COURSES ATTENDED (2011-2016)

Jain M

UNICEF-NNF TOT on Facility Based Newborn Care
Shivpuri , 21-24 May 2011

Bang A

UNICEF-NNF TOT on Facility Based Newborn Care
Bhubaneshwar, 29-31 Aug 2011

Chavan V

TOT on Vector borne diseases
Sevagram, 19-23 Sep 2011

Chavan V

Pediatric Critical Care Master Class 2011,
Mumbai, 29 Sep-2 Oct 2011

Jain M, Bang A

TOT on Essential Newborn Care
Nagpur, 9-11 Nov 2011

Chavan V

Basic Pediatric Intensive Care course
Hyderabad, 16-17 Nov 2011

Vilhekar KY, Chavan V

TOT on Facility Based Newborn Care
Pune, 22-23 Dec 2011

Jain M

Pediatric Advanced Life Support Instructors Update
Gurgaon, 18 Jan 2012

Jain M, Bang A

TOT on American Academy of Pediatrics Basic Newborn Resuscitation
Course- Helping
Babies Breathe
Belgaum, 14-16 May 2012

Deshmukh I, Chaudhary R, Singh M.

IAP NNF Advanced Neonatal Resuscitation Training,
MGIMS, Sevagram, 21 Mar 2014

Chauhan V.

IMA PG certificate course in Lactation Management
Mar 2015

Chauhan V

Certificate course in Evidence Based Diabetes Management Cycle IV
Mar 2015 - Feb 2016

ANNEXURE IVC. WORKSHOPS ATTENDED

Bang A.

Steering Committee meeting of Indian Cardiovascular Research & Advocacy Group
Gangtok (Sikkim), 8 Apr 2011

Bang A.

Pediatric Advanced Life Support
Ahmedabad, 21-22 May 2011

Bang A.

ICMR-PATH workshop on childhood pneumonia- current status and future strategies
New Delhi, 21-22 Jul 2011

Jain M, Bang A.

Pediatric Advanced Life Support
Sevagram, 20-21 Aug 2011

Bang A.

IAP NRP FGM Basic Neonatal Care and Resuscitation Program TOT Course
Raipur (Chhattisgarh), 27-28 Aug 2011

Bang A.

IAP Golden Hour Emergency Management course
Rourkela, 7-8 Oct 2011

Bang A.

6th training of Master Trainers of Emergency Obstetrics Care project
NRHM, Sevagram, 5 Dec 2011

Bang A.

6th training of Medical Officers of Emergency Obstetrics Care project
NRHM, Sevagram, 27 Dec 2011

Vilhekar KY, Jain M, Bang A, Chavan V.

1st Workshop on Facility Based Newborn Care,
Sevagram, 4-7 Jan 2012

Bang A.

National TOT Advanced NRP & IAP Neonatal Resuscitation Training - First Golden Minute
Gurgaon, 17-18 Jan 2012

Bang A.

Steering Committee meeting of the Global Network for Women and Children's Health of the Eunice Kennedy Shriver National Institute of Child Health and Human Development, NIH, USA.

Fort Lauderdale, Florida, USA, 27 Jan – 1 Feb 2012

Vilhekar KY, Jain M, Chavan V.

2nd Workshop on Facility Based Newborn Care,
Sevagram, 30 Jan – 2 Feb 2012

Vilhekar KY, Jain M, Bang A, Chavan V.

3rd Workshop on Facility Based Newborn Care
Sevagram, 29 Feb – 3 Mar 2012

Jain M, Bang A.

TOT on Essential Newborn Care & Neonatal Resuscitation Program
Nagpur, 6 Mar 2012

Bang A.

Planning and Coordination meeting of IAP NRP FGM
Gurgaon, 18 Mar 2012

Bang A.

Pediatric Advanced Life Support Instructors Update
Thane, 4 Mar 2012

Jain M.

Advancing Science of Vaccinology. (*Faculty*)
Amravati, 8 Apr 2012

Jain M, Bang A.

Training of Trainers on American Academy of Pediatrics Basic Newborn
Resuscitation

Course- "Helping Babies Breathe" (*Faculty*)

Nagpur, 18-20 May 2012

Bang A.

ASIP Study: 4th Investigators' Meeting
Mumbai, 9-10 Jun 2012

Bang A.

Pediatric Advanced Life Support (*Faculty*)
Aurangabad, 20-21 Oct 2012

Bang A

Understanding and managing a child with autism and cerebral palsy
Nagpur, 14 Sep 2012

Jain M

TOT on Comprehensive Child Care Program- IAP Mission Uday,
Kolkata, 15-16 Jan 2013

Jain M

Instructor update on Advanced Neonatal Resuscitation,

Pune, 27 Jan 2013

Bang A.

Evaluation of the progress, successes and challenges in implementation of “Helping Babies Breathe” Training Programme

Organised by Chief Secretary, Govt of Maharashtra, Nagpur, 23 Dec 2012

Chauhan VH.

Training of Trainer workshop on Vector Borne Diseases.

Conducted by MGIMS Sevagram, in collaboration with National Institute of Health and Family Welfare, New Delhi, at Sevagram, 7 – 11 Jan 2013

Bang A.

Planning and Coordination Meeting of the State Academic Coordinators of Indian Academy of Pediatrics & National Neonatology Forum Neonatal Resuscitation

Training- First Golden Minute Project

Kolkata, 14 Jan 2013

Bang A.

National TOT of Advanced NRP & IAP NNF Neonatal Resuscitation

Training- First Golden Minute (*Faculty*)

Kolkata, 15-16 Jan 2013

Chauhan VH.

MedE Safety Workshop

Sevagram, 22 Jan 2013

Bang A.

Steering Committee meeting of the Global Network for Women and Children’s Health of the Eunice Kennedy Shriver National Institute of Child Health and Human Development

NIH, Fort Lauderdale, Florida, USA, 27 – 31 Jan 2013

Jain M, Bang A.

Basic newborn resuscitation refresher training workshop - ‘Helping babies breathe’ (*Faculty*)

MGIMS, Sevagram, 1 Apr 2013

Bang A.

Basic newborn resuscitation refresher training workshop- ‘Helping babies breathe’ (*Faculty*)

MGIMS, Sevagram, 13 Jul 2012

Jain M, Bang A.

IAP NNF Basic Newborn Care and Resuscitation Training Program (*Faculty*)

JNMC, Sawangi, 13 Aug 2013

Vilhekar KY, Jain M, Bang A, Chauhan VH, Chaudhary R.

20th workshop on Advanced Neonatal Resuscitation (*Faculty*)

MGIMS, Sevagram, 1 Sep 2013

Vilhekar KY, Jain M, Bang A, Chauhan VH, Chaudhary R, Singh M, Dange R.

7th workshop on Facility Based Newborn Care (*Faculty*)

MGIMS, Sevagram, 23-26 Sep 2013.

Vilhekar KY, Jain M, Bang A, Chauhan VH, Deshmukh I, Chaudhary R, Singh M,

Dange R.

8th workshop on Facility Based Newborn Care (*Faculty*)

MGIMS, Sevagram, 23-26 Dec 2013.

Jain M, Bang A.

Pediatric Advanced Life Support (*Faculty*)

Aurangabad, 28-29 Dec 2013

Bang A.

Planning and Coordination Meeting of the State Academic Coordinators of Indian Academy of Pediatrics & National Neonatology Forum Neonatal Resuscitation

Training- First Golden Minute Project.

Indore, 6 Jan 2014.

Bang A, Jain M.

National TOT of Advanced NRP & IAP NNF Neonatal Resuscitation

Training- First Golden

Minute (*Faculty*)

Indore, 7-8 Jan 2014.

Bang A, Jain M.

Meeting of the Central Core Committee for Research in Advanced NRP & IAP NNF Neonatal Resuscitation Training- First Golden Minute Program

Indore, 8 Jan 2014.

Jain M.

District Training of Trainers in Basic Neonatal Care and Resuscitation (*Faculty*)

Jamshedpur, 18-19 Jan 2014.

Vilhekar KY, Jain M, Bang A, Chauhan VH, Deshmukh I, Chaudhary R, Singh M, Dange R.

9th workshop on Facility Based Newborn Care (*Faculty*)

Sevagram, 10-13 Feb 2014.

Bang A.

South Asia symposium on pneumonia and pneumococcal diseases.

Hyderabad, 9th Mar 2014.

Vilhekar KY, Jain M, Bang A, Chauhan VH, Deshmukh I, Chaudhary R, Singh M, Dange R.

10th workshop on Facility Based Newborn Care (*Faculty*)
Sevagram, 13-16 Mar 2014.

Bang A.

IAP NNF Advanced Neonatal Resuscitation Training Workshop (*Faculty*)
Mumbai, 30 Mar 2014.

Jain M.

Indian Academy of Pediatrics Mission Uday workshop. (*Faculty*)
Bilaspur, Chhatisgarh, 6 Jul 2014.

Vilhekar KY, Jain M, Bang A, Chauhan VH

11th workshop on Facility Based Newborn Care .(*Faculty*)
Sevagram, 6-9 Aug 2014.

Bang A.

National Seminar on Interventions for reducing maternal and newborn mortality: Translating research evidence to practice.
Belgaum, 5-6 Sep 2014.

Bang A.

Indian Academy of Pediatrics – Basic Life Support workshop.(*Faculty*)
Amravati, 14 Sep 2014.

Bang A.

National consultative meeting on “Helping 100k babies survive and thrive project” launch in India.
New Delhi, 19 Sep 2014.

Vilhekar KY

Neuroradiology and Neurogenetics workshop.
Pune, 10 Oct 2014.

Bang A.

Workshop on Simulation in training in PICU.
New Delhi, 6 Nov 2014.

Jain M, Bang A.

Indian Academy of Pediatrics – Basic Life Support workshop. (*Faculty*)
Nagpur, 23 Nov 2014.

Jain M.

National Neonatology Forum of India’s National Training of Trainers of Advanced Neonatal Resuscitation.
Patna, 6 Dec 2014.

Vilhekar KY

International CME and Workshop on critical care.
MGIMS, Sevagram, Wardha, 25 -26 Dec 2014.

Jain M, Bang A.

Indian Academy of Pediatrics – Advanced Life Support workshop.(*Faculty*)
Nanded, 10 -11 Jan 2015.

Jain M.

Indian Academy of Pediatrics – Basic Life Support workshop.(*Faculty*)
Nagpur, 16 Jan 2015.

Jain M, Bang A.

National Training of Trainers of Indian Academy of Pediatrics and National Neonatology Forum on Advanced Neonatal Resuscitation.(*Faculty*)
New Delhi, 20-21 Jan 2015.

Jain M.

Indian Academy of Pediatrics – Advanced Life Support workshop.(*Faculty*)
Akola, 20-21 Feb 2015.

Jain M.

National Executive Body Meeting, Indian Academy of Pediatrics.
Mumbai, 14 Mar 2015.

Jain M.

Indian Academy of Pediatrics Advanced Neonatal Resuscitation Workshop (*Faculty*)
Bhilai, Chhattisgarh, 29 Mar 2015

Bang A

Training of Trainers Workshop on Infectious Diseases- “Monsoon Maladies”
Mumbai, 31 May 2015

Vilhekar KY, Jain M, Bang A, Chauhan V

Training Workshop on Peritoneal Dialysis for Pediatricians
MGIMS, Sevagram, 26 Sep 2015

Bang A

IAP NNF Basic Neonatal Care and Resuscitation workshop (*Faculty*)
CPS, Mumbai, 7 Jun 2015

Bang A

IAP NNF Training of Trainers in Basic Neonatal Care and Resuscitation (*Faculty*)
LTMC and Sion Hospital, Mumbai, 11 Jun 2015

Bang A

IAP NNF Basic Neonatal Care and Resuscitation workshop (*Faculty*)
KD Ambani Hospital and Research Center, Mumbai, 12 Jun 2015

Jain M, Bang A

Indian Academy of Pediatrics – Advanced Life Support workshop
(*Faculty*)

Aurangabad, 4 -5 Jul 2015

Jain M, Bang A

IAP NNF Field Testing workshop on “Helping 100K Babies Survive and Thrive Initiative

India” (*Faculty*)

Meerut, 20-23 Aug 2015

Jain M, Bang A. (Faculty)

1st IAP NNF Training of Trainers of “Helping 100K Babies Survive and Thrive Initiative

India” (*Faculty*)

Hyderabad, 17-20 Jan 2016

Bang A

IAP-FOGSI Perinatology Workshop (*Faculty*)

Nagpur, 31 Jan 2016

Bang A

Basic Workshop on Functional Echocardiography

Pune, 11 Mar 2016

ANNEXURE IVD. MEU WORKSHOPS ATTENDED (2011-2016)

Chavan V

MET Basic Course

Sawangi, 23-25 Nov 2011

ANNEXURE IVE. RESEARCH METHODOLOGY WORKSHOPS ATTENDED (2011-2016)

Bang A, Chavan V.

Basic Statistical Analysis in MS Excel

Nagpur, 22 Feb 2012

Bang A.

WHO Training on Good Clinical Practices,

Pune, 31 May – 1 Jun 2013

Bang A

Cochrane South Asia Network workshop on How to perform Systematic Review and

Meta-Analysis

MGIMS, Sevagram, 24-26 Aug 2015

Bang A(Faculty)

Research Methodology Workshop.

Sevagram, 28 Sep – 5 Oct 2015.

Bang A (Faculty)

Research Methodology Workshop.

Sevagram, 21-23 Dec 2015.

ANNEXURE V: AWARDS / FELLOWSHIPS / RECOGNITION

2011-12

1. **Dr KY Vilhekar** was awarded “**Excellence in Teaching**” award by Maharashtra IAP at Nashik
2. **Dr Richa Chaudhary** and **Dr Sheetal Musmade** stood **first** in the Intercollegiate Pediatrics Quiz on Breast Feeding.

2012-13

3. **Dr Manish Jain** was awarded **National Faculty status** by the Indian Academy of Pediatrics for “Mission Uday -the Comprehensive Child Care Program” workshop & training program in Jan 2013.
4. **Dr Akash Bang** awarded ‘**Champion of NRP FGM**’ trophy in January 2013 for outstanding contribution to Indian Academy of Pediatrics NRP FGM (Neonatal Resuscitation Program- First Golden Minute) as Maharashtra State Academic Coordinator.

2013-14

5. **Dr Isha Deshmukh** was awarded **Fellowship in Pediatric Critical Care** from Bharati Vidyapeeth Deemed University in Oct 2013.
6. **Dr Akash Bang** was **felicitated by Indian Academy of Pediatrics (IAP)** on 7 Jan 14 in Indore at the 51st Annual National Conference of IAP- Pedicon 2014 for contribution to the Neonatal Resuscitation Training activities.

2014-15

7. **The Dept of Pediatrics** was declared by the Indian Academy of Pediatrics as an IAP accredited **CPR training center** for conducting provider and instructor level courses **in Basic Life Support**.
8. **The Dept of Pediatrics** was selected by the Directorate of Health Services Maharashtra as the **only nodal center in Vidarbha** and one of the only 3 nodal centers in Maharashtra state for training of government health personnel in “**Facility Based Newborn Care**”.

9. **The Dept of Pediatrics** was selected as training center by Govt of Maharashtra for 6 months training of Medical Officers in Pediatrics under **“Medical Officers Certificate Program.”**
10. **Dr Manish Jain** was elected as the **member of the national Executive Board of Indian Academy of Pediatrics** for the year 2015.
11. **Dr Akash Bang** was awarded the **Diamond Trophy** by Indian Academy of Pediatrics (IAP) on 20 Jan 15 in New Delhi at the 52nd Annual national conference of IAP- PEDICON 2015 for significant contribution to the **Neonatal Resuscitation Training** activities in the state of Maharashtra.
12. **Dr Akash Bang** was elected as the **Executive member of the Research in Child Health group** of Indian Academy of Pediatrics for the year 2015.
13. **Dr Varsha Chauhan** was awarded a **PG Diploma in Developmental Neurology** in Jul 2014.
14. **Dr Varsha Chauhan** was awarded a **Fellowship in Pediatric Emergency Management** in Jul 2014.
15. **Dr Varsha Chauhan** was awarded an **IMA PG certificate course in Lactation Management** in Mar 2015.
16. **Dr Akash Bang, Dr Manish Jain and Dr S Musmade** were awarded the **second prize** for their poster titled “Assessment of Modified Glasgow Coma Scale and AVPU Pediatric Response scale to predict mortality in PICU patients” at the National Conference of Pediatric Critical Care, New Delhi on 9 Nov 2014.

2015-16

17. **Dr Manish Jain** was elected as **member of the National Committee** to govern terms of reference for IAP subspecialty chapters and groups.
18. **Dr Manish Jain** was elected as **Executive Body Member, Maharashtra State chapter of Indian Academy of Pediatrics** for 2015
19. **Dr Akash Bang** was **felicitated by the Indian Academy of Pediatrics (IAP)** on 19 Jan 2016 in Hyderabad at the 15th Asia Pacific Congress of Pediatrics (15th APCP) and 53rd Annual National Conference of IAP (Pedicon 2016), for contribution to the Neonatal Resuscitation Training activities in the state of Maharashtra.
20. **Dr Akash Bang** was selected as **India West Zonal Coordinator** for the states of Maharashtra, Gujarat and Goa for IAP NNF Neonatal Resuscitation Program “First Golden Minute” Project in Feb 2016.

21. Dr Kanchan Gawade and Dr Punam Uke, postgraduate students from Dept of Pediatrics won the **runners-up trophy** at the regional round of the 2015 National Neonatology Forum's **Neonatology Quiz** at Nagpur.

ANNEXURE VI. ACADEMIC ACTIVITIES ORGANIZED (2011-2016)

2011-12

1

Theme : Breast feeding week

Organizing Secretary :Depts. of Pediatrics, Community Medicine, Ob/Gyn

Date :1-7 Aug 2011

No of delegates :75

Key Topics :Theme of World Breastfeeding Week

2

Theme : Pediatric Advanced Life Support

Organizing Secretary :Dr K Y Vilhekar

Date :20-21 Aug 2011

No of delegates :40

Key Topics :Evaluation of a sick child, recognition and management of respiratory failure, recognition and management of shock, recognition and management of cardiac rhythm disturbances, pediatric basic life support

Resource persons : Dr M Jain, Dr A Bang, Dr T Amladi, Dr Girish S, Dr Minakshi G, DrSomshekhar N

3

Theme : Intra-collegiate round of Indian Academy of Pediatrics UG quiz

Organizing Secretary :Dr KY Vilhekar

Date :3 Aug 2011

No of delegates :60

Resource persons :Dr V Chavan, Dr A Bang, Dr K Y Vilhekar

4

Theme : 18th Annual Basic Neonatal Care Workshop

Organizing Secretary :Dr KY Vilhekar

Date :6 Aug 2011

No of delegates :75

Key Topics :Care of normal new born, breastfeeding, care of low birth weight babies, hypothermia, neonatal sepsis, neonatal jaundice, transport of sick babies, danger signs.

Resource persons :All faculty of Pediatrics dept

5

Theme : 18th Annual Neonatal Resuscitation Training Workshop

Organizing Secretary :Dr K Y Vilhekar

Date :7 Aug 2011

No of delegates :75

Key Topics :Physiology of asphyxia, initial steps of resuscitation, positive pressure ventilation, chest compression, intubation, medications, resuscitation of pre-terms, special cases, ethics.

Resource persons :All faculty of Pediatrics dept.

6

Theme :1st Workshop on Facility Based Newborn Care

Organizing Secretary :Dr K Y Vilhekar

Date :4-7 Jan 2012

No of delegates :21

Key Topics :Newborn resuscitation, care of a normal newborn, diagnosis and

management of various neonatal emergencies, NICU protocols, Demonstration of equipment and procedures related to NICU

Resource persons :Dr KY Vilhekar, Dr M Jain, Dr A Bang, Dr V Chavan

7

Theme :2nd Workshop on Facility Based Newborn Care

Organizing Secretary :Dr KY Vilhekar

Date :30 Jan -2 Feb 2012

No of delegates :21

Key Topics :Newborn resuscitation, care of a normal newborn, diagnosis and management of various neonatal emergencies, NICU protocols,

Demonstration of equipment and procedures related to NICU

Resource persons :Dr KY Vilhekar, Dr M Jain, Dr A Bang, Dr V Chavan

8

Theme :3rd Workshop on Facility Based Newborn Care

Organizing Secretary :Dr KY Vilhekar

Date :29 Feb - 3 Mar 2012

No of delegates :22

Key Topics :Newborn resuscitation, care of a normal newborn, diagnosis and management of various neonatal emergencies, NICU protocols, Demonstration of equipment and procedures related to NICU
Resource persons :Dr KY Vilhekar, Dr M Jain, Dr A Bang, Dr V Chavan
2012-13

1

Theme : ‘Helping Babies Breathe’ Workshop

Organizing Secretary :Dr KY Vilhekar

Date :1 Jul 2012

No of delegates :18

Key Topics :Preparation for birth, Initial steps at birth, How to decide who requires bag & mask ventilation, How to give BMV effectively.

Resource persons :Dr M Jain, Dr A Bang

2

Theme : ‘Helping Babies Breathe’ Workshop

Organizing Secretary :Dr KY Vilhekar

Date :8 Jul 2012

No of delegates :18

Key Topics :Preparation for birth, Initial steps at birth, How to decide who requires bag& mask ventilation, How to give BMV effectively.

Resource persons :Dr M Jain, Dr A Bang

3

Theme : Intra-collegiate round of 25th Indian Academy of Pediatrics UG quiz

Organizing Secretary :Dr KY Vilhekar

Date :8 Aug 2012

No of delegates :60

Key Topics :General Pediatrics, Systemic Pediatric, Genetics, Community Pediatrics

Key persons :Dr M Jain, Dr A Bang, Dr KY Vilhekar

4

Theme : 19th Annual Basic Neonatal Care Workshop

Organizing Secretary :Dr KY Vilhekar

Date :11 Aug 2012

No of delegates :75

Key Topics :Care of normal new born, breastfeeding, care of low birth weight babies, hypothermia, neonatal sepsis, neonatal jaundice, transport of sick babies, danger signs.

Resource persons :All faculty of Pediatrics dept.

5

Theme : 19th Annual Neonatal Resuscitation Training Workshop

Organizing Secretary :Dr KY Vilhekar

Date :12 Aug 2011

No of delegates :75

Key Topics :Physiology of asphyxia, initial steps of resuscitation, positive pressure ventilation, chest compression, intubation, medications, resuscitation of preterms, special cases, ethics.

Resource persons :All faculty of Pediatrics dept.

6

Theme : Pediatric Advanced Life Support

Organizing Secretary :Dr KY Vilhekar

Date :18-19 Aug 2012

No of delegates :40

Key Topics :Evaluation of a sick child, recognition and management of respiratory failure, recognition and management of shock, recognition and management of cardiac rhythm disturbances, pediatric basic life support

Resource persons :Dr M Jain, Dr A Bang, Dr A Patel, Dr Girish S, DrMinakshi G, Dr Somshekhar N

7

Theme :4th Workshop on Facility Based Newborn Care

Organizing Secretary :Dr KY Vilhekar

Date :17-20 Dec 2012

No of delegates :31

Key Topics :Newborn Resuscitation, care of a normal newborn, Diagnosis and management of various neonatal emergencies, NICU protocols, Demonstration of equipment and procedures related to NICU

Resource persons :Dr KY Vilhekar, Dr M Jain, Dr A Bang, Dr V Chavan

8

Theme :4th Practical observer training on Facility Based Newborn Care

Organizing Secretary :Dr KY Vilhekar

Date :21 Dec – 3 Jan 2013

No of delegates :7

Key Topics :Training in various procedures, skills and attitude for complete management of newborns in NICU

Resource persons :All faculty of Pediatrics dept.

9

Theme :5th workshop on Facility Based Newborn Care

Organizing Secretary :Dr KY Vilhekar

Date :21 -24 Jan 2013

No of delegates :29

Key Topics :Newborn Resuscitation, Care of a normal newborn, Diagnosis & Management of various neonatal emergencies, NICU protocols, Demonstration of equipments & procedures related to NICU

Resource persons :All faculty of Pediatrics dept.

10

Theme :5th Practical observer training in FBNC

Organizing Secretary :Dr KY Vilhekar

Date :25 Jan – 8 Feb 2013

No of delegates :12

Key Topics :Training in various procedures, skills and attitude for complete management of newborns in NICU

Resource persons :All faculty of Pediatrics dept.

11

Theme :6th workshop on Facility Based Newborn Care

Organizing Secretary :Dr KY Vilhekar

Date :4- 7 Mar 2013

No of delegates :22

Key Topics :Newborn resuscitation, care of a normal newborn, diagnosis & management of various neonatal emergencies, NICU protocols, demonstration of equipment & procedures related to NICU

Resource persons :All faculty of Pediatrics dept.

12

Theme :6th Practical observer training in FBNC

Organizing Secretary :Dr KY Vilhekar

Date :8-22 Mar 2013

No of delegates :11

Key Topics :Training in various procedures, skills and attitude for complete management of newborns in NICU

Resource persons :All faculty of Pediatrics dept.

2013-14

1

Theme : 1st Refresher Workshop on Helping Babies Breathe- the Basic Neonatal Resuscitation

Organizing Secretary :Dr KY Vilhekar

Date :1 Apr 2013

No. of delegates :12

Key topics :Preparation for birth, Initial steps at birth, How to decide who requires Bag and Mask Ventilation, How to give BMV effectively

Resource persons :Dr A Bang, Dr M Jain

2

Theme : 2nd Refresher Workshop on Helping Babies Breathe- the Basic

Neonatal Resuscitation

Organizing Secretary :Dr KY Vilhekar

Date :13 Jul 2013

No. of delegates :4

Key topics :Preparation for birth, Initial steps at birth, How to decide who requires Bag and Mask Ventilation, How to give BMV effectively

Resource persons :Dr A Bang

3

Theme : Intra-collegiate round of 26th Indian Academy of Pediatrics UG quiz

Organizing Secretary :Dr KY Vilhekar

Date :28 Aug 2013

No. of delegates :60

Key topics :General Pediatrics, Systemic Pediatric, Genetics, Community Pediatrics

Resource persons :DrVarsha Chauhan, Dr KY Vilhekar

4

Theme : 20th Annual Basic Neonatal Care Workshop

Organizing Secretary :Dr KY Vilhekar

Date :31 Aug 2013

No. of delegates :75

Key topics :Care of Normal New Born, Breastfeeding, Care of Low Birth Weight babies, hypothermia, neonatal sepsis, neonatal jaundice, transport of sick babies, danger signs.

Resource persons :All Faculty of Dept of Pediatrics

5

Theme : 20th Annual Neonatal Resuscitation Training Workshop

Organizing Secretary :Dr KY Vilhekar

Date :1 Sep 2013

No. of delegates :75

Key topics :Physiology of asphyxia, initial steps of resuscitation, positive pressure ventilation, chest compression, intubation, medications, resuscitation of preterms, special cases,ethics.

Resource persons :All Faculty of Dept of Pediatrics

6

Theme : 7th workshop on Facility Based Newborn Care (FBNC)

Organizing Secretary :Dr KY Vilhekar

Date :23-26 Sep 2013

No. of delegates :25

Key topics :Newborn Resuscitation, Care of a normal newborn, Diagnosis and Management of various neonatal emergencies, NICU protocols, Demonstration of equipments and procedures related to NICU

Resource persons :All Faculty of Dept of Pediatrics

7

Theme : 7th Practical Observer Training in Facility Based Newborn Care (FBNC)

Organizing Secretary :Dr KY Vilhekar

Date :28 Sep -11 Oct 2013

No of delegates :10

Key topics :Training in various procedures, skills and attitude for complete management of newborns in NICU

Resource persons :All Faculty of Dept of Pediatrics

8

Theme : 8th workshop on Facility Based Newborn Care (FBNC)

Organizing Secretary :Dr KY Vilhekar

Date :23-26 Dec 2013

No of delegates :22

Key topics :Newborn Resuscitation, Care of a normal newborn, Diagnosis and Management of various neonatal emergencies, NICU protocols, Demonstration of equipments and procedures related to NICU

Resource persons :All Faculty of Dept of Pediatrics

9

Theme : 8th Practical observer training in FBNC

Organizing Secretary :Dr KY Vilhekar

Date :28 Dec 2013 to 10 Jan 2014

No of delegates :8

Key topics :Training in various procedures, skills and attitude for complete management of newborns in NICU

Resource persons :All Faculty of Dept of Pediatrics

10

Theme : 9th workshop on Facility Based Newborn Care (FBNC)

Organizing Secretary :Dr KY Vilhekar

Date :10-13 Feb 2014

No of delegates :26

Key topics :Newborn Resuscitation, Care of a normal newborn, Diagnosis and Management of various neonatal emergencies, NICU protocols, Demonstration of equipments and procedures related to NICU

Resource persons :All Faculty of Dept of Pediatrics

11

Theme : 9th Practical Observer Training in Facility Based Newborn Care (FBNC)

Organizing Secretary :Dr KY Vilhekar

Date :15-28 Feb 2014

No of delegates :7

Key topics :Training in various procedures, skills and attitude for complete management of newborns in NICU

Resource persons :All Faculty of Dept of Pediatrics

12

Theme : 10th Workshop on Facility Based Newborn Care (FBNC)

Organizing Secretary :Dr KY Vilhekar

Date :13-16 March 2014

No of delegates :24

Key topics :Newborn Resuscitation, Care of a normal newborn, Diagnosis and Management of various neonatal emergencies, NICU protocols, Demonstration of equipments and procedures related to NICU

Resource persons :All Faculty of Dept of Pediatrics

13

Theme : 10th Practical Observer Training in Facility Based Newborn Care (FBNC)

Organizing Secretary :Dr KY Vilhekar

Date :17-30 March 2014

No of delegates :11

Key topics :Training in various procedures, skills and attitude for complete anagement of newborns in NICU

Resource persons :All Faculty of Dept of Pediatrics

14

Theme : IAP-NNF Advanced Neonatal Resuscitation Workshop

Organizing Secretary :Dr KY Vilhekar

Date :21 Mar 2014

No of delegates :36

Key topics :Preparation for Birth, Initial steps of resuscitation, Positive Pressure Ventilation, Chest Compression, Intubation, Medications, Umbilical venous catheterization, Resuscitation of Preterms, Special Cases

Resource persons :Dr M Girish, Dr P Andankar, Dr S Jahagirdar, Dr K Sukhdeve, Dr M Kamble, Dr J Upadhye

15

Theme : Pediatric Advanced Life Support Workshop

Organizing Secretary :Dr KY Vilhekar

Date :22-23 Mar 2014

No of delegates :36

Key topics :Evaluation of a sick child, Recognition and Management of Respiratory Failure, Recognition and Management of Shock, Recognition and Management of cardiac rhythm disturbances, Pediatric Basic Life Support

Resource persons :Dr M Girish, Dr P Andankar, Dr M Kamble, Dr B Katira, Dr A Patel, Dr Girish S.

2014-15

1

Theme : 11th Regional Workshop on Facility Based Newborn Care (FBNC)

Organizing Secretary :Dr KY Vilhekar

Date :6-9 Aug 2014

Delegates :29

Resource persons :All Faculty, of Dept of Pediatrics

Key topics :Newborn resuscitation, care of a normal newborn, diagnosis and management of various neonatal emergencies, NICU protocols, Demonstration of equipments and procedures related to NICU

2

Theme : 11th Practical observer training in FBNC

Organizing Secretary :Dr KY Vilhekar

Date :11-24 Aug 2014

Delegates :8

Resource persons :All Faculty, of Dept of Pediatrics

Key topics :Training in various procedures, skills and attitude for complete management of newborns in NICU

3

Theme : 21st Annual Basic Neonatal Care Workshop

Organizing Secretary :Dr KY Vilhekar

Date :20 Sep 2014

Delegates :75

Resource persons :All Faculty, of Dept of Pediatrics

Key topics :Care of normal new born, breastfeeding, care of low birth weight babies, hypothermia, neonatal sepsis, neonatal jaundice, transport of sick babies, danger signs.

4

Theme : 21st Annual Neonatal Resuscitation Training Workshop

Organizing Secretary :Dr KY Vilhekar

Date :21 Sep 2014

Delegates :75

Resource persons :All Faculty, of Dept of Pediatrics

Key topics :Physiology of asphyxia, initial steps of resuscitation, positive pressure ventilation, chest compression, intubation, medications, resuscitation of preterms, special cases, ethics.

2015-16

1

Theme : IAP Basic Life Support Provider Training Workshop

Date : 5 Apr 2015

Organizing Secretary :Dr KY Vilhekar

Delegates : 55

Resource persons :Dr Girish Bhat, Dr Minakshi Subramaniam, Dr Girish Subramaniam, Dr Milind Kamble, Dr Manish Jain, Dr Akash Bang

Key topics : Pediatric chain of survival, Chest compressions, Mouth to mouth breathing, Automated External Defibrillator, Relief of airway obstruction

2

Theme : IAP Training of Trainers Workshop in Basic Life Support

Date : 5 Apr 2015

Organizing Secretary :Dr KY Vilhekar

Delegates : 6

Resource persons :Dr Girish Bhat, Dr Minakshi Subramaniam, Dr Girish Subramaniam, Dr Milind Kamble, Dr Manish Jain, Dr Akash Bang

Key topics : Pediatric basic life support, Adult basic life support, Training methodology

3

Theme : 2nd IAP-NNF Advanced Neonatal Resuscitation Workshop

Date : 1 May 2015

Organizing Secretary :Dr KY Vilhekar

Delegates : 40

Resource persons :Dr ArunAgrawalla, Dr Meenakshi Girish, Dr Kuldeep Sukhdeve, Dr Chandrashekhar Fande, Dr Jayant Upadhye, Dr Sachin Damke

Key topics : Preparation for birth, Initial steps of resuscitation, Positive Pressure Ventilation, Chest Compression, Intubation, Medications, Umbilical venous catheterization, Resuscitation of preterms, Special cases

4

Theme :6th Pediatric Advanced Life Support Workshop

Date : 2-3 May 2015

Organizing Secretary :Dr KY Vilhekar

Delegates : 36

Resource persons :DrArunAgrawalla, DrParamanandAndankar, Dr Meenakshi Girish, DrGirishSubramaniam, DrAkash Bang

Key topics : Evaluation of a sick child, Recognition and management of respiratory failure, Recognition and management of shock, Recognition and management of cardiac rhythm disturbances, Pediatric basic life support

5

Theme : 22nd Annual Basic Neonatal Care Workshop

Date : 5 Sep 2015

Organizing Secretary :Dr KY Vilhekar

Delegates : 75

Resource persons : All Faculty of Dept of Pediatrics

Key topics : Care of normal new born, breastfeeding, care of low birth weight babies, hypothermia, neonatal sepsis, neonatal jaundice, transport of sick babies, danger signs

6

Theme : 22nd Annual Neonatal Resuscitation Training Workshop

Date : 6 Sep 2015

Organizing Secretary :Dr KY Vilhekar

Delegates : 75

Resource persons :DrVilhekar KY, Dr Jain M, Dr Bang A, DrChauhan V

Key topics : Physiology of asphyxia, initial steps of resuscitation, positive pressure ventilation, chest compression, intubation, medications, resuscitation of preterms, special cases, ethics

7

Theme : PD for PDiatricians''- Training Workshop on Peritoneal Dialysis for Pediatricians

Date : 26 Sep 2015

Organizing Secretary :Dr KY Vilhekar

Delegates : 42

Resource persons :Dr Uma Ali, Dr Kumud Mehta, DrJyoti Sharma, Dr Manoj Matnani, Dr Pankaj Bhansali, Dr Srinivasu Achanta

Key topics : Acute kidney injury diagnosis, peritoneal dialysis physiology, procedure video, workstation-hands on practice, trouble shooting, interactive case discussions

8

Theme : CME on Recent Updates in Pediatric Nephrology

Date : 27 Sep 2015

Organizing Secretary :Dr KY Vilhekar

Delegates : 60

Resource persons :Dr Uma Ali, DrKumud Mehta, DrJyoti Sharma,
DrManojMatnani,

DrPankajBhansali, DrSrinivasuAchanta

Key topics : Chronic kidney disease, nephrotic syndrome, acute glomerulonephritis and approach to hematuria, AKI –Non-dialytic management, Approach to renal tubular disorders, Bedwetting in children, Antenatally detected hydronephrosis, Urinary tract infections, Imaging in nephro-urology

9

Theme : 12th Regional Workshop on Facility Based Newborn Care (FBNC)

Date : 24 – 27 Feb 2016

Organizing Secretary :Dr KY Vilhekar

Delegates : 29

Resource persons :DrVilhekar KY, Dr Jain M, Dr Bang A, DrChauhan V

Key topics : Newborn Resuscitation, Care of a normal newborn, Diagnosis and management of various neonatal emergencies, NICU protocols, Demonstration of equipment and procedures related to NICU

10

Theme : 12th Practical observer training in Facility Based Newborn Care (FBNC)

Date : 1 – 14 Mar 2016

Organizing Secretary :Dr KY Vilhekar

Delegates : 8

Resource persons :DrVilhekar KY, Dr Jain M, Dr Bang A, DrChauhan V

Key topics : Training in various procedures, skills and attitude for complete management of newborns in NICU

ANNEXURE VII. PRESENTATIONS (2011-2016)

A. Outside MGIMS

2011-12

Bang A.

Assessment of sick children.

Pediatric Advanced Life Support

Ahmedabad, Gujarat, 21-22 May 2011

Bang A.

Burns in children

IAP Golden Hour Emergency Management course

Rourkela, 7-8 Oct 2011

Bang A.

Metabolic causes of respiratory distress

IAP Golden Hour Emergency Management course

Rourkela, 7-8 Oct 2011

Bang A.

Acute abdomen

IAP Golden Hour Emergency Management course

Rourkela, 7-8 Oct 2011

Patel A, Dhande L, Bang A, Malik A, Chelliah LR, Singh M, Khadse S.

Efficacy of 7 day course of ambulatory oral amoxicillin for treating severe pneumonia in 3-59 months old Indian children- multicentric randomised control trial (ISPOT group)

52nd Annual Meeting of the European Society for Pediatric Research, Newcastle,

UK, 14-17 October 2011

Bang A, Tiwari A, Jain M.

Prediction of significant hyperbilirubinemia in term neonates by early non invasive bilirubin measurement (Transcutaneous Bilirubin Index).

7th Annual Conference of IAP Nagpur - NAPCON 2011,

Nagpur, 10-11 Dec 2011

Bang A.

Neonatal seizures- etiology in Indian perspective.

7th Annual Conference of IAP Nagpur - NAPCON 2011,

Nagpur, 10-11 Dec 2011

Deshmukh IS.

Clinical and laboratory Spectrum of Malaria

7th Annual Conference of IAP Nagpur - NAPCON 2011,

Nagpur, 10-11 Dec 2011

2012-13

Jain M.

Vaccination in special situations. (*Guest Lecture*)

Advancing Science of Vaccinology, Amravati, 8 Apr 2012.

Bang A.

Infant feeding and growth patterns. (*Moderator*)
2nd Annual National Conference of Infant and Young Child Feeding
Chapter of Indian Academy of Pediatrics, New Delhi, 5 Aug 2012.

Bang A.

Management of Pediatric Airway. (*Faculty*)
Pediatric Advanced Life Support, Aurangabad, 20-21 Oct 2012.

Shrivastava M, Jain M, Bang A, Vilhekar KY, Jain S, Kabra M.

Risk factors in birth asphyxia morbidity patterns and mortality in birth
asphyxiated babies. (*Best Poster Award*)

15th National Conference of Pediatric Infectious Diseases (NCPID) 2012
& 8th Annual Conference of Nagpur Academy of Pediatrics, Nagpur, 23-
25 Nov 2012.

**Chaudhary R, Vilhekar KY, Jain M, Bang A, Chauhan V, Bais P,
Dange R, Singh M.**

Risk factors associated with congenital heart diseases: a case control
study.

15th National Conference of Pediatric Infectious Diseases (NCPID) 2012
& 8th Annual conference of Nagpur Academy of Pediatrics, Nagpur, 23-
25 Nov 2012.

Jain D, Bang A, Waradkar Y, Jain M, Vilhekar KY.

Congenital diaphragmatic hernia with eventration of liver.

15th National Conference of Pediatric Infectious Diseases (NCPID) 2012
& 8th annual conference of Nagpur Academy of Pediatrics, Nagpur, 23-25
Nov 2012.

Bang A.

Science and practice of micronutrients in infant and young child feeding.
(*Panelist*)

50th Annual National conference of Indian Academy of Pediatrics-
PEDICON 2013, Kolkata, 18-20 Jan 2013

2013-14

Jain M.

Management of pediatric airway. (*Faculty*)
Pediatric Advanced Life Support, Aurangabad, 28-29 Dec 2013

Bang A.

Cardiac rhythm disturbances in children. (*Faculty*)
Pediatric Advanced Life Support, Aurangabad, 28-29 Dec 2013

**Lalwani S, Modak M, Suryavanshi K, Palkar S, Manoharan A, Sapru
A, Satpute M, Karande S, Natarajan G, Manglani M, Gajre M,**

Baveja S, De A, Joshi S, Navale V, Bang A, Mendiratta D, Mohite M, Amdekar Y, Khosala I.

Multicenter prospective surveillance of invasive pneumococcal disease in children (<5 years) from Maharashtra, India.

9th International Symposium on Pneumococci and Pneumococcal Diseases (ISPPD-9), Hyderabad, 9 – 13 Mar 2014.

2014-15

Bang A, Patel A, Honnungar N, Gisore P, Bellad R, Muyodi D, Meleth S, Hibberd P, Goco N, Carlo WA, Wright LL.

Helping Babies Breathe (HBB) Training: Refresher Training and Ongoing Monitoring and Quality Improvement to Maintain Resuscitation Skills.

2014 Pediatric Academic Societies and Asian Society for Pediatric Research Joint Meeting

Vancouver, Canada, 3 – 6 May 2014.

Bucher S, Bang A, Vernekar S, Patel A, Meleth S, Gisore P, Somannavar M, Muyodi D, Goco N, Liechty E, Wright LL, Moore J, Carlo WA, Esamai F.

Implementation of Continuous Quality Improvement Processes to Support 'Helping Babies Breathe' practices in India and Kenya.

2014 Pediatric Academic Societies and Asian Society for Pediatric Research Joint Meeting

Vancouver, Canada, 3 – 6 May 2014.

Jain M.

Malaria- diagnostic and therapeutic advances. (*Faculty*)

Indian Academy of Pediatrics Mission Uday workshop, Bilaspur, Chhatisgarh, 6 Jul 2014.

Jain M.

Typhoid fever- recent advances. (*Faculty*)

Indian Academy of Pediatrics Mission Uday workshop, Bilaspur, Chhatisgarh, 6 Jul 2014.

Bang A.

High quality CPR (*Faculty*)

Indian Academy of Pediatrics – Basic Life Support workshop Amravati, 14 Sep 2014.

Jain M, Jain S, Patil S, Bang A.

Knowledge, attitude and practice regarding sexually transmitted infections and HIV in adolescent population of Wardha district in rural Central India.

International Conference on Obstetrics and Gynecology- FIGO-SAFOG-SLCOG 2014, Colombo, Sri Lanka, 30 Oct – 2 Nov 2014.

Bang A, Jain M, Musmade S.

Assessment of Modified Glasgow Coma Scale and AVPU Pediatric Response Scale to predict mortality in PICU patients. (*2nd prize for best poster*)

16th National Conference of Pediatric Critical Care- NCPCC 2015, New Delhi, 7 – 9 Nov 2014.

Jain M.

High quality CPR. (*Faculty*)

Indian Academy of Pediatrics – Basic Life Support workshop, NKPSIMS, Nagpur, 23 Nov 2014.

Bang A.

Changes in BLS guidelines. (*Faculty*)

Indian Academy of Pediatrics – Basic Life Support workshop NKPSIMS, Nagpur, 23 Nov 2014.

Jain M.

Basic Life Support. (*Faculty*)

Pediatric Advanced Life Support
Nanded, 10-11 Jan 2015.

Bang A.

Cardiac rhythm disturbances in children. (*Faculty*)

Pediatric Advanced Life Support
Nanded, 10-11 Jan 2015.

Jain M.

High quality CPR. (*Faculty*)

Indian Academy of Pediatrics – Basic Life Support workshop, NKPSIMS, Nagpur, 16 Jan 2015.

Patel A, Arramraj S, Lothe A, Bang A.

Effect of helping babies breathe programme on asphyxia related perinatal mortality at a tertiary hospital.

52nd Annual National Conference of Indian Academy of Pediatrics - PEDICON 2015,

New Delhi, 22 – 25 Jan 2015.

Jain M.

Post Resuscitation Management. (*Faculty*)

Indian Academy of Pediatrics – Advanced Life Support workshop. Akola, 20-21 Feb 2015.

2015-16

Bang A.

Basic Neonatal Resuscitation- what you must know (*Faculty*)

CME on Perinatal Asphyxia, JNMC, Sawangi Meghe, 6 Apr 2015

Bang A.

Cardiac rhythm disturbances in children (*Faculty*)

Indian Academy of Pediatrics – Advanced Life Support, Aurangabad, 4-5 Jul 2015

Uke P, Vilhekar KY, Bang A.

Arnold Chiari II malformation (CM-II) with pineal cyst

15th Annual National Conference of Neurology Chapter of Indian Academy of Pediatrics- Neuropedicon 2015, Nagpur, 16-18 Oct 2015

Gulia M, Chaudhary R, Bang A, Jain M.

A rare case of hemorrhagic stroke in a child with sickle cell anemia

2nd Annual Conference of Maharashtra State IAP Intensive Care Chapter- MahaPediCriticon 2015-16, Aurangabad, 9-10 Jan 2016

Kurundwadkar M, Jain M, Bang A, Jain D.

Effectiveness of neonatal pulse oximetry screening for detection of critical congenital heart disease in neonates born in a rural tertiary care centre

15th Asia Pacific Congress of Pediatrics (15th APCP) and 53rd Annual National Conference of IAP- (Pedicon 2016), Hyderabad, 21-24 Jan 2016

Gawade K, Jain M, Bang A, Waratkar Y.

Does implementation of “Helping Babies Breathe” reduce the perinatal mortality in a tertiary hospital?

15th Asia Pacific Congress of Pediatrics (15th APCP) and 53rd Annual National Conference of IAP- (Pedicon 2016), Hyderabad, 21-24 Jan 2016

Bang A.

Neonatal Resuscitation - Dos and Don'ts (*Faculty*)

IAP-FOGSI Perinatology Workshop, Nagpur, 31 Jan 2016

Bang A.

Basic Neonatal Resuscitation (*Faculty*)

Masterclass 2016, Chandrapur, 27 Mar 2016

B. Inside MGIMS

2011-12

Pediatric Advanced Life Support, 20-21 Aug 2011

Jain M

Shock in children

Bang A

Post resuscitation management.

Update on Sinus Infections, Dept. of ENT, 31 Mar 2012

Deshmukh IS, Jain MA .

Acute sinusitis in Pediatrics.

2012-13

**Pediatric Advanced Life Support
Dept of Pediatrics, 18-19 Aug 2012.**

Jain M.

Shock in children (*Faculty*)

Bang A.

Basic Life Support in infants and children. (*Faculty*)

CME on “Emergencies in Nursing”

Kasturba Nursing College, 7-13 Jan, 2013.

Bang A.

Basic Neonatal Resuscitation. (*Faculty*)

2013-14

**CME on Current Concepts and Latest Trends in Caesarean Section
(Skill, Will and Drill), Dept. of Obstetrics & Gynecology, 28 Mar 2014**

Jain M.

Neonatal Resuscitation- Dos and Don'ts

**CME on Recent Trends in Micro Ear Surgeries, Department of ENT,
8 - 9 Mar 2013**

Patil S, Deshmukh I, Bang A, Jain M.

Approach to discharging ear

Musmade S, Deshmukh I, Bang A, Jain M.

Foreign body in children

Medical management of thyroid disorders: 17 Apr 2013

Bang A

Hypothyroidism in neonates and children

2015-16

**Indian Academy of Pediatrics – Basic Life Support Workshop,
Dept of Pediatrics, 5 Apr 2015**

Jain M.

High quality CPR (*Faculty*)

Bang A.

Changes in BLS guidelines (*Faculty*)

**Indian Academy of Pediatrics – Advanced Life Support Workshop,
Dept of Pediatrics, 2-3 May 2015**

Bang A.

Cardiac rhythm disturbances in children (*Faculty*)

**Workshop on newborn assessment and immediate care,
Dept of Pediatrics, 22 May 2015**

Bang A.

Basic newborn resuscitation (*Faculty*)

ANNEXURE VIII. MD THESES (2011-2016)

2011-12

Srivastava M; Guide: Dr Jain M

Study of risk factors associated with birth asphyxia and mortality and morbidity in asphyxiated babies

2012-13

Chaudhary R; Guide: Dr Vilhekar KY

Factors associated with congenital heart diseases: a case control study

2013-14

Musmade S; Guide: Dr Bang A

Evaluation of accuracy and reliability of AVPU scale and Modified Glasgow Coma Scale to predict in-hospital mortality and neurological morbidity in pediatric ICU patients without trauma aged 3 months and above

Patil S; Guide: Dr Jain M

Knowledge, attitude and practice of adolescents regarding RTI, STDs and contraception

2014-15

Jain D; Guide: Dr Jain MA

Effectiveness of neonatal pulse oxymetry screening for detection of critical congenital heart disease in neonates borne in a rural tertiary care center

Waratkar Y; Guide: Dr Bang AA

Does implementation of “Helping Babies Breathe” reduce the perinatal mortality in a tertiary hospital?

2015-16

Gawade G; Guide: Dr Jain M

Apolipoprotein profile in low birth weight babies

Uke P; Guide: Dr Bang A

Evaluation of the accuracy and reliability of history, clinical features and investigations in prediction of complications and mortality in dengue-like illnesses in children admitted to a rural tertiary care center

DEPARTMENT OF OBSTETRICS & GYNECOLOGY

1. Name of the Department : **Department of Obstetrics and Gynaecology**
2. Year of establishment: **1969**
3. Is the Department part of a college/Faculty of the university?
Yes, Our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram. Affiliated to Maharashtra University of Health Sciences, Nashik
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)
Departments of Obstetrics and Gynaecology offers undergraduates and postgraduates program in Obstetrics and Gynaecology: MBBS, MS & DGO, Ph.D.
5. Interdisciplinary programs and departments involved
**Yes,
Department of Radiology
Department of Pediatrics
Department of Anaesthesiology**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
**Yes,
Maastricht University, Netherlands
Ben Gurion University, Israel
Rush Medical College, USA
Ludberg, Germany
Johns Hopkins University, Baltimore**
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: **Annual/Semester/Trimester/Choice Based Credit System**
As Per MCI/MUHS University Guidelines
 - a. **For undergraduate students Semester system is in place, internal evaluation in the form of internal assessment I & II & prelims theory and for practical 5 ward leaving exams after completion of each clinical posting and prelims practical at the end of year**
 - b. **For post graduate students 6 monthly examination system is in place (6 Monthly internal evaluation), Monthly evaluation is done for each postgraduate for ward round, punctuality, patient care, relation with relatives, communication skills, behavior with teachers and colleague and 6 monthly theory and practical prelims is taken**

9. Participation of the department in the courses offered by other departments

- **Department of Community Medicine**
- **IGNOU Training under the Department of Community Medicine**

10. Number of teaching posts sanctioned, filled and actual(Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	2	3	4
Associate Professor/Reader	2	2	2
Assistant Professor	2	2	2
Lecturer (AMO/C&MWO)	2	2	2
Tutor / Clinical Instructor	0	0	0
Senior Resident	2	2	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No of Year Experience
Dr. Shakunatala Chhabra	MBBS, DGO, MD, Diploma in International Maternal Health, Sweden, Training in Problem based learning	Director Professor	OBGY	39 Years
Dr. Poonam Varma Shivkumar	MBBS, MD, Advanced training in SHRH, Sweden	Professor & Head	OBGY	17 Years
Dr. Surekha Tayade	MBBS, MD, DNB, FICOG FIME, FAIMER Fellow	Professor	OBGY	13 Years 10 Months
Dr. Shuchi Jain	MBBS, MD, FICOG	Professor	OBGY	13 Years 7 Months
Dr. Pramod Kumar	MBBS, MD	Associate Professor	OBGY	11 Years 4 Months
Dr. Amardeep Tembhare	MBBS, MS, Diploma in Laparoscopy surgery	Associate Professor	OBGY	5 Years 4 Months
Dr. Shila Shelke	MBBS, DGO, DNB	Assistant Professor	OBGY	1 Year 10 Months
Dr. Manjiri Podder	MBBS, MS	AMO/ Lecturer	OBGY	2 Year and 5 months

Dr. Manisha Rewatkar	MBBS, MS	Assistant Professor	OBGY	4 Months
Dr. Trisha Naik	MBBS, MS	Assistant Professor	OBGY	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
Dr. P. Chouksi, Visiting Consultant, IUI & IVF Specialist
Dr. Rajesh Modi, Visiting Consultant, Laparoscopic surgeon & Gynecologist
13. Percentage of classes taken by temporary faculty – program-wise information
No temporary faculty in the department
14. Program-wise Student Teacher Ratio
(11:1 for undergraduates)
(1:1 for Postgraduates)
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Social Worker	1	1	2
Technical Asst	1	1	1
Lab Attendant	1	1	1
Stenographer	1	0	0
Record Clerk	1	1	1
Store Keeper	1	1	1
PPTCT Counselor	1	1	1
PPTCT Technician	1	1	1
ANM (Project staff)	0	0	11
Nodal Officer (EmOC Project)	0	0	1

16. Research thrust areas as recognized by major funding agencies
- 1. Violence against women**
 - 2. Intrapartum management of obstetric patients**
 - 3. Burden of hypertension in pregnant patients**
 - 4. Abortion in community**
 - 5. Previabile birth defect**
 - 6. Still birth**
 - 7. Preterm labour**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

A) National

Sr. No	Name of Project	Funding agency	National/ International	Grant
1	Prevention of parent to child transmission of HIV / AIDS	Government of Maharashtra	National	Emoluments directly paid by Govt
2	Emergency Obstetric Care	Ministry of Health, Government of India, Government of Maharashtra, AVNI Foundation, FOGSI,	National	Rs. 45,72,000
3	Maternal Death Audit	FIGO, GOI, AVNI Foundation	National	Nil
4	Anemia Project	CCRS (Ayush), GOI, New Delhi	National	Rs.37,63,430 (One time grant)
5	HPV Study in women with Cervical Abnormality	Dr. Ambedkar Research Foundation, New Delhi	National	Nil
6	Maternal Near Miss Review Project	Bill & Melinda Gates Foundation, USA	National	Rs.1,28,000
7	Analysis of Retrospective and Prospective case of Still birth	WHO SEARO	National	Rs. 1,22,000
8	Epidemiological determinants of Hypertensive Disorders in Pregnancy in a rural community	ICMR, New Delhi	National	Rs.7,80,012
9	Previabie Birth Defect Project	WHO SEARO	National	Rs.2,42,000
10	Community based study of magnitude of abortion, spontaneous and induced, immediate and late complication and care sought by rural	ICMR, New Delhi	National	Rs. 15,77,845

	women of two district of Maharashtra, India			
11	Hypertensive disorders of pregnancy, prevention, early detection, prevention of severity and mortality through cost effective sustainable ways in two tertiary centers in two state of India	Shrimant Shankaradevi University of Health Sciences, Guwahati, Assam	National	Rs.5,66,000/-
	Elderly women support fund for Village of Melghat region	Jan Kalyan Charitable trust, Mumbai	National	Rs.6,50,000

B) International

Sr. No	Name of Project	Funding agency	National/ International	Grant
1	Multiple Pathogen Test study	McGill University, Canada	International	Rs.1,38,250/-
2	Amnisure Project	Amnisure Co, USA	International	Rs. 93452/-
3	Thiamine Project	Foundation of Collaboration Medicine and Research, USA	International	Rs.13,87,295/-
4	Maternal Health Seeking practices amongst women of low resource rural area of Melghat region of Amravati District	Shastri Indo-Canadian Institute through University of British Colombia	International	Rs. 3,80,099
5	Jiv Daya Partograph Project	Jiv Daya Foundation, Dallas, Texas, USA	International	Rs. 13,17,813/-
6	Magnitude of Day to Day Life Health Problems in Elderly Women Of Melghat, A Rural Hilly Forestry Region	GHETS, Attlabaro, HA, USA	International	Rs, 3,10581/-
7	Educating rural Indian	GHETS	International	3,000 USD

	women about domestic and sexual violence by utilizing ANM and ASHA			
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18. Inter-institutional collaborative projects and associated grants received

❖ National collaboration :

1. **Shrimant Shankaradevi University of Health Sciences, Guwahati, Assam**

Total Grant : 5.66 Lacs (Received Till 31st March, 2016)

2. **Mamta Foundation, New Delhi & Kings Collage, London**

Total Grant : 45.88 Lacs (Sanctioned but yet to come)

3. **Government of Maharashtra camps done at Civil hospital and institution for VIA, VILI and Cancer Cervix screening**

Total Grant : Non funded

❖ International collaboration :

1. **Jiv Daya Foundation, Texas, USA**

Total Grant : 13,17,813 (Received Till 31st March, 2016)

2. **GHETS, USA (Global Health Through Education Training and services)**

Total Grant : 3000 USD (Sanctioned but yet to come)

3. **Mini GHETS Project (GHETS, Attlabaro, HA, USA)**

Total Grant : 3.10 Lacs (Received Till 31st March, 2016)

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

ICMR:

1. **Epidemiological determinants of Hypertensive disorder of pregnancy in a cohort of rural women in Central India**

Total Grant Received : Rs.21,00,000/-

2. **Community based study of magnitude of abortion, spontaneous and induced, immediate and late complication and care sought by rural women of two district of Maharashtra, India**

Total Grant Received : Rs. . 15,77,845/-

20. Research facility / centre with

- state recognition : BEmOC, SAB Training Centre
- national recognition : **EmOC Medical Officers**
- international recognition : JHPIEGO along with Nursing

21. Special research laboratories sponsored by / created by industry or corporate bodies

NA

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)

Annexure I attached

- * Monographs :

1. **Government of India operational guidelines on maternal near miss review,**
2. **Government of India guidelines on engaging general surgeons for performing caesarean sections and managing obstetric complications,**
3. **Government of India operational and technical guidelines on screening for syphilis during pregnancy,**
4. **MNH toolkit,**
5. **Clinical skills lab**

- * Chapters in Books :

- **FOGSI Focus, 2013**

- **Chhabra S, Tembhare A : Benign breast disease pp- 23-24**
- **Shivkumar PV:Breast feeding in special situation pp-15-17**
- **Tayade SA: Successful breast feeding pp-6-8**

- * Books edited: : Nil

- * Books with ISBN with details of publishers: Nil

- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)

- * Citation Index – **average : 8.43**

- * SNIP

- * SJR

- * Impact Factor – **average : 0.64**

- * h-index

23. Details of patents and income generated

NA

24. Areas of consultancy and income generated

We do consultancy work for Government of Maharashtra, Government of India, ICMR,WHO, GHETS, NAAC, Bill & Melinda Gates Foundation, but we do not receive any financial gain as per institutional policy

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Annexure II (A+B)attached

26. Faculty serving in
a) National committees b) International committees c) Editorial Boards d) any other (specify)
Annexure III attached
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).
Annexure IV (A+B+C+D+E) attached
28. Student projects
- percentage of students who have taken up in-house projects including inter-departmental projects ;

ICMR STS projects by undergraduates

Name of Undergraduate student	Name of Guide	Topic
Ms Kirti Kundana	Dr. Surekha Tayade	Determinant of Intrauterine growth of Restriction
Ms Shruti Pansare	Dr. Shuchi Jain	Impact of pre-operative education on post operation recovery in patient undergoing elective hysterectomy
Ms. Krutika Sawant	Dr. Naina Kumar	Relationship between immediate postpartum umbilical cord blood pH and fetal distress

Thesis by MS PG students

Name of Student	Guide	Topic
Dr. Suvidhi Chopra	Dr.S.Chhabra	Retrospective analysis of Records of cases of fetal growth restriction (FGR) to know the relationship between Anemia and FGR and Prospective study of pregnant women with FGR to find out correlation between Anemia, Cardiac Output and FGR/ Maternofetal outcome.
Dr. Kavita Saharan	Dr. Poonam V. Shivkumar	A Retrospective study of women with cervical Abnormalities, their follow up compliance, Progression and Regression of Disease along with a Prospective study of Benign and premalignant Cervical Lesions,their Clinical and Cysto-histopathological correlation with special

		reference to Human Papilloma Virus Infection
Dr. Mandar Karambelkar	Dr. S.Chhabra	Acute foetal distress in women with No of risk factors
Dr. Manjiri Ramteke	Dr. Poonam V. Shivkumar	A retrospective analysis and prospective study of women with fibroid uterus presenting as abnormal uterine bleeding with special reference to their Medical Management
Dr. Anupriya Singh	Dr. S.Chhabra	A Prospective study of incidence of postpartum haemorrhage with special reference to comparison of different modalities used for it prevent
Dr. Anu Namgyal	Dr. Poonam V. Shivkumar	A cause and effect study of woemen with early and late onset hypertensive disorder in pregnancy labour and post partum, with special reference to serum calcium and urinary calcium as a predictive matter
Dr. Manisha Rewatkar	Dr. Shuchi Jain	Prospective study of Maternal markers such as white blood cell count and c-reactive protain as predictors of Maternal and Neonatal infections in pre-labour rupture of membranes at or after 34 to 41 weeks of gestation
Dr. Ritu Singh	Dr. Surekha Tayade	Influence of maternal anthropometric measurements and nutritional prognostic factors on fetal growth and maternofetal outcome
Dr. Neha Gangane	Dr. S.Chhabra	A clinic-pathological study of women with complex and /or a typical endometrial hyperplacia and carcinoma with special reference to risk factors including lifestyle and disease polycystic ovarian syndrome
Dr. Anupam Chaurasia	Dr. Poonam V. Shivkumar	Prospective study of socio demographic characteristics, maternal disorders & foetal risk factors responsible for early and late stillbirth in a rural tertiary care hospital

- percentage of students doing projects in collaboration with other universities / industry / institute : **Nil**

29. Awards / recognitions received at the national and international level by

Annexure V attached

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Annexure VI attached

31. Code of ethics for research followed by the departments
Yes, Every project, thesis submitted and approval is taken by Institutional Ethics Committee
32. Student profile program-wise:

Name of the Program (refer to question no. 4)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MBBS, 2015		12781	100%	97.22%	100%	100%
MBBS, 2014		15555	97.82%	92.45%	91.17%	100%
MBBS, 2013		8119	92.45%	65.95%	97.83%	100%
MBBS, 2012		16003	94.11%	90.65%	93.33%	100%
MBBS, 2011		12518	96.77%	94.29%	100%	100%
2015	MS	247	0%	100%	0%	100%
	DGO		25%	75%	100%	66.66%
2014	MS	265	0%	100%	0%	100%
	DGO		0%	100%	25%	50%
2013	MS	191	50%	100%	50%	50%
	DGO		25%	75%	50%	50%
2012	MS	149	0%	100%	50%	50%
	DGO		0%	100%	0%	100%
2011	MS	205	50%	50%	100%	100%
	DGO		25%	75%	100%	100%

33. Diversity of students

Name of the Program (refer to question no. 4)		% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2015	MS	100%	--	--	--
	DGO	75%	--	--	25%
2014	MS	100%	--	--	--
	DGO	75%	25%	--	--
2013	MS	100%	--	--	--
	DGO	50%	--	25%	25%
2012	MS	100%	--	--	--

	DGO	75%	--	25%	--
2011	MS	100%	--	--	--
	DGO	100%	--	--	--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. :
NA

35. Student progression

Student progression	Percentage against enrolled
UG to PG	This is done through National selection exam
PG to M.Phil,DM / M Ch / DNB	DGOs who have done DNB – 20%
PG to Ph.D.	--
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	NA
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	66.66 %
from other universities within the State	
from universities from other States	33.33 %
from universities outside the country	

37. Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period
Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

Apart from the well equipped central library with internet connection and all the prescribed textbooks and reference books, department library is available contains all the regular text books and reference books

CENTRAL LIBRARY

- Total number of books in library : 28127
- Books pertaining to Obs and Gynae : 1247

- **Purchase of latest editions of books in last 3 years : 1200**

DEPARTMENTAL LIBRARY

- **Total number of books : 183 (Annexure VI attached)**
- **Purchase of latest editions in last 3 years : 65**
- **No. of journals : 04**

b) Internet facilities for staff and students

**Department has good connectivity of Wi-Fi and Computers are being provided with this facility through HIS system
Every faculty member as well as PG student have their own personal laptop**

c) Total number of class rooms

- 1. One Lecture Hall (With capacity of 100 students in Psychiatry department)**
- 2. One demonstration room (with capacity of 50 students)**
- 3. One Seminar room (With capacity of 40 persons)**

d) Class rooms with ICT facility and 'smart' class rooms

All lecture halls are Wi-Fi enabled and have LCD projection facility

e) Students' laboratories

Available, Departmental skills lab and institutional skills lab

f) Research laboratories

Clinical and Observational Research done

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university :

Dr. Surekha Tayade, Professor, Department of Obstetrics and Gynecology perusing Ph.D

b) from other institutions/universities :

Dr. Suhas Kothavale perusing Ph.D

40. Number of post graduate students getting financial assistance from the university.

Assistance taken from university for research purpose by 2 candidates

Dr. Kavita Saharan, MS, 2009 batch

Dr. Manisha Rewatkar, MS, 2012 batch

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No, this exercise is undertaken at the level of MUHS. The staff members who are on the BOS represent our feedback to university

42. Does the department obtain feedback from

53. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes,

- **Every month faculty meeting is taken where feedback from**

- students is analyzed
 - incorporation of various types of media for teaching-learning is discussed and improvisations are done
 - Limitations and weak aspects of the faculty members is identified and scope for their improvement is discussed constructively
54. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- Students are provided with feedback forms through which they can evaluate the faculty members regarding their teaching
 - This feedback is utilized by the faculty during the monthly meeting to incorporate into their teaching
 - Mentor program is in place through which each UG student is allotted to a mentor with whom they can discuss their academic as well as other problems
55. alumni and employers on the programs offered and how does the department utilize the feedback?
- Yes, the institution obtains feedback from during conferences and workshops. This is utilized for constructive improvement of the departmental teaching and working methods**
43. List the distinguished alumni of the department (maximum 10)
- Dr. Nitin Gupte, Consultant Gynecologist, Pune**
Dr. Sandip Jeste, Consultant Gynecologist, Mumbai
Dr. Suchitra Pandit, Professor and Heaf. Dept of Ob Gyn, Kokilaben Ambani Hospital, Mumbai
Dr. Rakhi Sukhdeve, Consultant Gynecologists, Nagpur
Dr. Neeraj Mahajan, Associate Professor, JJ Hospital Mumbai
Dr. Kshama Kedar, Associate Professor, IGGMC Nagpur
Dr. Ritu Dargan, Consultant Gynecologist, Nagpur
Dr. Uma Gupta, Professor, Ira's Medical College, Lucknow
Dr. V.B.Bangal, Professor and Head, Pravara Medical College, Loni
Dr. Arpita Jaiswal, Associate Professor, JNMC Sawangi Meghe
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
Annexure VII attached
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Undergraduate teaching:

Seminar	Subject centred. Can communicate any particular subject to a group.
Group discussion	Participant centred. Can initiate thinking capabilities of students and creativity.
Case-based learning,	Subject centred. Student shall able to learn to manage a particular case at the end of teaching or understand a particular topic in detail.
Problem based learning	Student-centered & Experiential, Inductive Context specific, builds challenges, collaborative learning
Bed side teaching	Students can experience actual practical situations while dealing with patients.
One-to-one interaction	Student can interact with teacher comfortably and learn minute details of clinical skills.
Jigsaw	<ol style="list-style-type: none"> 1. Students are responsible for their own learning 2. discloses a student's own understanding the subject and resolves misconception 3. Learning from each other 4. A step towards self- directed learning 5. develops teamwork and cooperative working skills 6. Learning from different perspectives 7. builds on conceptual understanding
Modified viva/tutorial (vivorial):	-5 students attend the viva voce sessions (pre decided topic). Students are exposed to the questions where they are supposed to answer individually first, but if a student is not able to answer then other student(s) try to work out and help him/her. The session gives them a good opportunity to open up in front of a small group, share his/her answers without feeling threatened (what is said in the group...stays in the group) and accept answers/ideas from his peers
Small group Tutorial	<ol style="list-style-type: none"> 1. Small group – so more attention to each students 2. Learning materials (print or online) can be distributed in advance 3. Tutor can receive and give feedback 4. Tutor can change the strategy and pace according to the learner 5. Tutor can assess the learning in a better way 6. Better rapport between learner and teacher

Role play and reflections	Role play is a valuable tool for learning and encourages students to examine how they usually communicate. They can be used to teach communication skills, counselling skills, acquisition of language skills and cross cultural training. They promote active learning and engage students with real life situations.
Scenario analysis based learning	For analytical learning
Simulation based teaching	In skills laboratory for learning clinical and procedural skills
Teaching using simulated clinical experiences	Simulated clinical experiences are centre of attraction now in Indian medical institutes. Students can learn the skills on these hybrid simulation models before trying on the patient.

Post graduate teaching:

- j. Impetus is provided for self directed learning through facilitator technique rather than didactic lecture technique**
 - k. Students are encouraged to find the knowledge source and learn from such sources, to teach them the principle of lifelong learning**
 - l. Small group discussions, seminars, subject reviews are conducted regularly under the guidance of senior faculty and pedagogy skills are encouraged.**
 - m. Students are introduced to basic research skills and are made to write a dissertation on the clinical questions raised by them, as a pre requisite for taking the post graduate examination.**
 - n. Work based, skill based and competency based learning is facilitated by the faculty.**
 - o. Students are encouraged to work and learn in a multidisciplinary environment so that they learn to work in a collaborative environment when they start practicing after passing out**
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- **Evaluation of MBBS Program is done through result of classroom/ Internal assessment in following exam: Part of completion Test, Terminal exam, Preliminary exam and University exam**
 - **Feedback collected from the students**

- **Feedback is collected from the faculty**
 - **Discussion at curriculum committee meeting and college council regarding the same is conducted**
 - **Guidelines from the university are followed**
47. Highlight the participation of students and faculty in extension activities.
Both UG and PG students encouraged to participate in the extension activities like medical camps, disaster relief, ROME camp, Cancer detection camp, Diagnostic camp, Social service camp, Adolescent and family life education, Maternal and child hospital, Melghat, etc
48. Give details of “beyond syllabus scholarly activities” of the department.
- **Both UG and PG students are encouraged to participate in beyond syllabus scholarly activities in various group discussions in conferences and poster presentations etc**
 - **The PG students are posted with a senior resident at tribal centre at Melghat where they work independently under supervision of SR**
 - **The students are trained in neonatal resuscitation and adult basic life support**
 - **Faculty is training the Medical officers for EmOC and the nurses in BEmOC**
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- Agencies are MUHS, MCI**
- | | | |
|------------------------------------|---|-----------|
| Date of MBBS Recognition by MCI | : | 22/4/1976 |
| Date of MD,DGO Recognition by MCI | : | 27/3/2001 |
| Date of Ph.D Recognition from MUHS | : | 31/6/2008 |
| Date of Last inspection of | | |
| MCI | : | 5/2/2016 |
| MUHS | : | 2/3/2015 |
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- The department strives to contribute to new knowledge by:**
- a. Encourage the PGs to undertake research activity in choosing the topics for their dissertation**
 - b. The faculty undertakes clinical research and publishes papers in various scientific journals**
 - c. PG activity has Wi-Fi connection through which all updates are discussed then and there**
 - d. Department has a separate and independent skills lab for teaching management of patients in a humanistic approach**

- e. The departmental library has all the books on recent advancements including COGs**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- STRENGTHS :**
- ❖ Department has dedicated teaching staff who work as a team
 - ❖ Good clinical resource material for teaching UGs and PGs
 - ❖ All faculty is trained in basic and advanced MET
 - ❖ Use of innovative teaching methodology with good outcome
 - ❖ Imparting skill based training
 - ❖ Faculty members are being invited for making guidelines and for consultation at national and international level
- WEAKNESSES:**
- ❖ Time constraint due to lot of service related work
 - ❖ Laboratory research comparatively less than observational research
- OPPORTUNITIES :**
- ❖ Formative assessment of the students to be improved
 - ❖ Senior residents to be utilized for teaching UGs and nurses
 - ❖ Implementation of OSCE / OSPE in MUHS curriculum
 - ❖ Improving teaching learning by competency based approach
- CHALLENGES :**
- ❖ Involving PGs in clinical research projects
 - ❖ Developing social obstetrics for community services
 - ❖ Establishment of IVF in rural area
 - ❖ UroGynecological surgeries involving tapes
 - ❖ Convincing MUHS affiliated university (MUHS) for competency based curriculum
52. Future plans of the department.
- **Infertility IVF lab to come up**
 - **Antenatal physiotherapy department**
 - **Social Obstetrics department for community obstetric service**
 - **Oncology Screening clinic**

ANNEXURES FROM OBSTETRICS AND GYNECOLOGY

ANNEXURE I A PUBLICATIONS

2011-12

1. **Chhabra S.;**Need for Relooking into Management of Eclampsia. Asian Pacific Journal of Tropical Disease; 2011, Vol.1 No.3,

2. **S.Chhabra, P.Kaur, C.Tikoo, P.Zode.** Transplacental Hemorrhage in Women having IIIrd Trimester Bleeding & Perinatal Outcome, Open Journal of Obstetrics &Gynecology, Doi:10.4236/ojog- Online publication,2011
3. **Chhabra S,** Management of Gestational Trophoblastic Disease: An Update; Indian Journal of Gynecological Oncology, 2011 Vol VII Issue-I, 31-37
4. **Chhabra S, Yadav Y**Trends in oophorectomy with hysterectomy for benign Gynecological disorders in Indian rural experience; International Journal of Gynecology and Obstetrics; 2011 Vol.14 243-247,
5. **Chhabra S, Deb Barma S, Mahajan N.**Compliances To Therapy and Recurrence in Cervical Cancer; Indian Journal of Gynaecologic Oncology, 2011,Vol-X Issue-1, 39-42.
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23. **Chhabra S,**
Health Hazards among Health Care Professional
Journal of MGIMS, 2016, 21, 19-24

ANNEXURE II (A): GUEST LECTURES

2011-2012

1. Dr.S.Chhabra
Guest Lecture- Ovarian Tumour
FORCE- 2011, Aurangabad, 2nd April, 2011
2. Dr.Poonam Varma Shivkumar
Guest Lecture- Endometrial Hyperplasia
FORCE- 2011, Aurangabad, 2nd April, 2011
3. Dr.S.Chhabra
Guest Lecture –Hypertensive Disorder during Pregnancy
International Congress on Recent Advances in Obst&Gynae, Mumbai, 9th April, 2011
4. Dr. Poonam Varma Shivkumar
Guest Lecture- Genetic Causes in RPL
FOGSI RPL Conference, Nagpur Obstetrics & Gynecological Society (NOGS)
29th May, 2011

5. Dr.ArпитаJaiswal
Paper presented- Near Miss Maternal Mortality
Safe Endoscopy- International Annual Conference of the Indian
Association of GynecologicalEndoscopists, Pune
3rd – 5th June,2011
6. Dr. Poonam Varma Shivkumar
Chairperson- Laparoscopic Hysterectomy SUI Management
Nagpur Obstetric & Gynecological Society (NOGS) &Akola Endoscopic
Centre
10th July, 2011
7. Dr.S.Chhabra
Moderator – Cancer Cervix – Panel Discussion
AGOI-2011, Jammu,
26th & 27th August, 2011
8. S.Chhabra
Poster Presentation- Maternity Emergency Needs in Low Resources
Community.
The Network Towards Unity for Health, Medical University, Graz,
Austria,
16th to 22nd September, 2011
9. Dr.SurekhaTayade
Guest Lecture- Current Concept in Pelvic Floor Anatomy
CME on Current Trends in the Surgical Management and Prolapse and
Pelvic Floor defect Repair, JNMC, SawangiMeghe, 24th September, 2011
10. S.Chhabra
Moderator of Session– Women and Health & Maternal Health
The Network Towards Unity for Health, Medical University, Graz,
Austria, 16th to 22nd September, 2011
11. Dr. Poonam Varma Shivkumar
Panel Discussion- IUI When & How at Nagpur
CME on ART IVA/IVF
Birla Shrikhande Institute of IVF, Nagpur
9th November, 2011
12. Dr.S.Chhabra

Guest Lecture – Bladder dysfunction after Radical Hysterectomy.

Chairperson - Preventive Oncology

1. Ovarian Cancer Screening & Genetics
2. Familial Cancer Syndromes- Way to Prevent
3. Fertility Issues in Gynae Malignancy

AGOICON- 201, Bhubneshwar, 8th to 10th December, 2011

13. Dr.Poonam Varma Shivkumar
Chairperson- Social Obstetrics
GYNAECON-2011, NOGS, Nagpur,
17th -18th December, 2011
14. Dr. Surekha Tayade
Chairperson- Osteoporosis Bane for Women
GYNAECON-2011, NOGS, Nagpur, 17th -18th December, 2011
15. Dr.Shuchi Jain
Guest lecture- A Rest of After coming Head of Breech
Labour workshop and CME on Safe Delivery, JNMC, Sawangi Meghe,
11th December, 2011
16. Dr.Arпита Jaiswal
Guest lecture- Management of Cord Prolapse
Labour workshop and CME on Safe Delivery, JNMC, Sawangi Meghe,
11th December, 2011
17. Dr. S.Chhabra
Panel Discussion- Obstetric Emergencies
40th Annual Conference of Evidence Based Protocol and Guidelines,
Mumbai
7th January, 2012
18. Dr. S.Chhabra
Chairperson- Mixed Bag
Lecture-Rationale use of Blood and Its Product in Obstetric Gynecological
practice
Maharashtra State of Obstetrics & Gynecological Society, Nanded
8th January, 2012

Presentation in conferences at MGIMS

1. Dr.Surekha Tayade

Chairperson- Vaginal Hysterectomy Clampless/Sutureless
Dr.S. Chhabra, Dr.Poonam Varma Shivkumar
Panelist- Routes of Hysterectomy
CME-Hysterectomy-From Keyhole to No hole Surgery, Dept of OBGY,
SWOGS &Deoli-Sawangi Obstetrics &Gynecology Society,
23rd July, 2011

2. Dr.S.Chhabra
Speaker-Pregnancy & Trauma a real challenge
CME & Workshop – Basic Trauma Care organized by Department of
Orthopedics, MGIMS, Sevagram
10th -11th April,2011
3. Dr.SurekhaTayade
Lecture- Community Health Project by OBGY
Academy of Medical Sciences, Sevagram,
3rd August, 2011
4. Dr.Shuchi Jain
Lecture – Essential Obstetric Care
Dr.Arпита Jaiswal
Lecture - PC/PNDT Act
CAC Intern Re-orientation programme organized by Dept of Community
Medicine with IPAS., MGIMS, Sevagram,
7th March,2011

YEAR 2012-2013

1. Dr. S.Chhabra
Guest Lecture – 1. 9 Months & 9 Problems
2. Trauma during pregnancy
Indian Medical Association &Obstetric&Gynecology Society, Gondia
27th May, 2012
2. Dr. Shuchi Jain
Guest lecture – Advantage of Breast feeding
CME on Breast feeding
JNMC, Sawangi Meghe, 6th August, 2012
3. Dr. Shuchi Jain
Guest Lecture - MTP Rules and regulation

CME on MTP Law and Contraception- An Update
JNMC, Sawangi Meghe 29th – 30th September, 2012

4. Dr. Poonam Varma Shivkumar
Guest Lecture- Internal Iliac Artery Ligation
Workshop on Pelvic Floor Anatomy- Revisited
National Association of Reproductive & Child Health (NAARCHI),
Nagpur 7th October, 2012
5. Dr. Surekha Tayade
Guest Lecture- Anatomy of Pelvic Floor
Workshop on Pelvic Floor Anatomy- Revisited
National Association of Reproductive & Child Health (NAARCHI),
Nagpur 7th October, 2012
6. Dr.S.Chhabra
Oral Presentation – Causes, Intervention, Outcomes of severally III
Maternity cases in Low Resource Setting
Poster – Cervical cancer, Precancer knowledge
Rendez-Vous, 2012, The Network toward Unity of Health (TUHF)
Thunder Bay, Canada 8th – 13th October, 2012
7. Dr. Poonam Varma Shivkumar
Guest lecture- Family life Education: Adolescent health : Girls
Under the adolescent Health training program
NavodayVidyalay, Selookate Wardha 18th October, 2012
8. Dr. Amardeep Tembhare
Guest lecture- Family life Education: Adolescent health : Males
Under the adolescent Health training program
NavodayVidyalay, Selookate Wardha 18th October, 2012
9. Dr.Poonam Varma Shivkumar
Guest Lecture- Post Partum Haemorrhage
GYNAECON, 2012
Nagpur Obstetrics & Gynecology Society, Nagpur 28th October, 2012
10. Dr. SurekhaTayade
Debet :Gynecologist responsible for declining sex ratio
GYNAECON, 2012
Nagpur Obstetrics & Gynecology Society, Nagpur 28th October, 2012

11. Dr.S.Chhabra
 1. Member of Advisory Committee
 3. Panelist on “GTN”
 4. Meeting of Executive of AGOICON
 AGOICON-2012 XXth Annual conference of Association of
 Gynaecologic Oncologists of India
 KokilabenDhirubhaiAmabaniHospital, Mumbai 30th November,2012- 2nd
 December, 2012

12. Dr.S.Chhabra
 Co- faculty with National & International faculty in the workshop on
 Social Accountability in Medical Education and Health Care.
 SEARAME NCHPE-2012, Coimbatore 5th – 7th September, 2012

13. Dr. Poonam Varma Shivkumar
 Guest lecture- Maternal Morbidities
 Consultation workshop
 Government of Maharashtra, Pune, 25th -26th November, 2012

14. Dr. S.Chhabra
 Guest Lecture – Fertility Preservation in Gynecological Cancer
 World congress on Dilemma of OBGY
 Nagpur Obstetrics & Gynecological Society (NOGS)
 Nagpur, 30th November- 1st December, 2012

15. Dr. Poonam Varma Shivkumar
 Guest Lecture- Shoulder Dystocia
 Judge- Free paper section
 Panelist- RPL and Developed a Protocol for case scenario
 World congress on Dilemma of OBGY
 Nagpur Obstetrics & Gynecological Society (NOGS)
 Nagpur, 30th November- 1st December, 2012

16. Dr. Surekha Tayade
 Guest Lecture- Eclampsia and its management
 Panelist- HIV in Pregnancy
 Group discussion- Management of fibroid in infertile patient
 World congress on Dilemma of OBGY
 Nagpur Obstetrics & Gynecological Society (NOGS)
 Nagpur, 30th November- 1st December, 2012

17. Dr. Shuchi Jain
Panelist- HIV in pregnancy
World congress on Dilemma of OBGY
Nagpur Obstetrics & Gynecological Society (NOGS)
Nagpur, 30th November- 1st December, 2012
18. Dr.S.Chhabra
Guest lecture- Medical Social Issues of pregnancy of Advanced Adolescent Girls
First National Conference on Teenage Pregnancy & 13th Annual Conference of KOGS organized by KOGS collaboration with UNFPA & IMA,Kalyani, Nadia, West Bengal, 15th -16th December,2012
19. Dr. Poonam Varma Shivkumar
Guest lecture- Normal pubertal adolescent changes in teaching
Indian Medical Association, Wardha branch
Wardha, 16th December, 2012
20. Dr. SurekhaTayade
Guest lecture- Pathology in pubertal
Indian Medical Association & Civil Hospital, Wardha
Wardha, 16th December, 2012
21. Dr. Surekha Tayade
Guest lecture- "Female Sterilization an Update"
Organized a workshop on "Breast care"
AICOG, 2013 All India conference of Obstetrics & Gynecology, Mumbai
17th to 19th January, 2013
22. Dr. Shuchi Jain
Chaired a session- Optimizing Result of IVF
CME on IVF Update
JNMC, Sawangi Meghe, 10th February, 2013
23. Dr. S.Chhabra
Guest Lecture – Critical Care Unit in OBGY
Chaired the session- " Key Note Address"
ISOPARB Conference, 2013
Lucknow, 22nd March-23rd March, 2013

24. Dr. Surekha Tayade
Guest Lecture- Hypertensive disorders in Pregnancy
CME- Chandrapur Obst & Gynae Society, Chandrapur, 22nd March, 2013

Presentation in conferences at MGIMS

1. Dr. Poonam Varma Shivkumar
Guest lecture- PCPNDT Its rules and regulation
Workshop on PCPNDT
Dept of OBGY & Dept of Radiology, MGIMS, Sevagram, 16 August, 2012
2. Dr. SurekhaTayade
Guest Lecture- PCPNDT Regulation
Workshop on PCPNDT
Dept of OBGY & Dept of Radiology, MGIMS, Sevagram, 16th August, 2012
3. Dr. Poonam Varma Shivkumar
Lecture – Case Control Study and Cohort study in Clinical Epidemiology
Workshop on reorientation of Postgraduates in Research Methodology
MGIMS,Sevagram, 6th-7th August, 2012
4. Dr. Shuchi Jain
Lecture- Cross sectional study and Case control study
Workshop on reorientation of Postgraduates in Research Methodology
MGIMS,Sevagram, 6th-7th August, 2012
5. Dr. Poonam Varma Shivkumar
Guest lecture- Reproductive and Health of the Women
Organized by Women’s day in Community Medicine, 9th March, 2013
6. Dr. SurekhaTayade& Dr. Shuchi Jain
Lecture – PC & PNDT
Lecture- Essential Obstetric Care
Internship orientation program
S.N. Hall, MGIMS, Sevagram, 9th March, 2013
7. Dr. Poonam Varma Shivkumar
Guest lecture- Bedside clinic and Long & Short Answer questions

Basic Medical Education Technology workshop, 19th-21st March, 2013.

YEAR 2013-2014

1. Dr. S.Chhabra
Guest Lecture – Governance and Regulatory issues in Family Medicine
1st National Conference on Family Medicine and Primary Care, FMPC, 2013
Organized by AFPI, India & MHSRC, NRHM, MoHFW, Govt of India
New Delhi, 20-21 April 2013
2. Dr. Poonam Varma Shivkumar
Guest Lecture – Family Medicine in Undergraduate curriculum
1st National Conference on Family Medicine and Primary Care, FMPC, 2013
Organized by AFPI, India & MHSRC, NRHM, MoHFW, Govt of India
New Delhi, 20-21 April 2013
3. Dr. Surekha Tayade
Guest Lecture – Emergency Obstetric Care
1st National Conference on Family Medicine and Primary Care, FMPC, 2013
Organized by AFPI, India & MHSRC, NRHM, MoHFW, Govt of India
New Delhi, 20-21 April 2013
4. Dr. Surekha Tayade
Panelist- Surgical Management of Post Partum Haemorrhage
High Risk Pregnancy
Organized by Nagpur Obstetrics & Gynecology Society (NOGS),
Nagpur, 14th July, 2013
5. Dr. Naina Kumar
Case presentation- Cutaneous metastasis of Cervical Cancer
Organized by Academy of Medical Sciences, MGIMS, Sevagram, 17th
July, 2013
6. Dr. Surekha Tayade
Guest lecture- Reducing Maternal Mortality and Improving Maternal
Health and MDG 5
2nd International conference in Gynecology and Obstetrics
Dalian, China, 11th -20th October, 2013
7. Dr. Poonam Varma Shivkumar
Panelist- Iron preparation in Pregnancy
GYNAECON-2013
Organized by Nagpur OBGY Society (NOGS), Nagpur, 20th October,
2013

8. Dr. Kavita Saharan
Paper presented- Study of Benign and Premalignant Cervical lesion, their clinical and cyto-pathological correlation
GYNAECON-2013, Organized by Nagpur OBGY Society (NOGS)
Nagpur, 20th October, 2013
9. Dr. S.Chhabra
Thematic Poster Presentation-
 1. Maternal Factors: Persisting perinatal in Deaths- institution, rural population based observation
 2. Increasing Caesarean Births- cause for concern
 Didactic Session
 1. Increasing Caesarean Births- cause for concern
 Mini- workshop
 1. Essential for Health aging of women
 International conference – Rural and community based health care : opportunities and Challenges for the 21st century
The Network : Towards Unity for Health
Ayutthaya, Thailand, 16th -20th November, 2013
10. Dr.SurekhaTayade
Thematic Poster presentation- Training non specialized doctors in emergency obstetric care to reduce maternal mortality
International conference – Rural and community based health care opportunities and Challenges for the 21st century
The Network : Towards Unity for Health, Ayutthaya, Thailand, 16th -20th November, 2013
11. Dr. Shuchi Jain
PPTCT- Present challenges and changes
On the occasion World AIDS day
Organized by Academy of Medical Sciences, MGIMS, Sevagram
4th December, 2013
12. Dr. Pramod Kumar
Presentation- Ways to have zero mortality in OBGY patients having HIV AIDS On the occasion World AIDS day Organized by Academy of Medical Sciences, MGIMS, Sevagram, 4th December, 2013
13. Dr. Poonam Varma Shivkumar
Guest lecture- Amenorrhea
Postgraduate conference FOGSI Review Course for examination
FORCE, 2014

Organized by NKP Salve Institute of Medical Science and Research Centre, In association with NOGS, GMC and IGMC, Nagpur, 26th -28th January, 2014

14. Dr. S.Chhabra
Key Note address - Management of early cervical cancer
Chaired the session - GTN
57th AICOG, 2014 Patna, 3rd -5th February, 2014
15. Dr. S.Chhabra
Guest lecture- Latest Scenario of Maternal Mortality and Morbidity in Rural Setting
IX Annual conference of AMPOGS
Rewa Obstetrics &Gynecology Society and Shyam Shah Medical College, Rewa Rewa 22nd -23rd March, 2014
16. Dr.Shuchi Jain
Clinical presentation- Hyperthyroidism in pregnancy
Vertical Integrated teaching program
Under the curriculum committee, MGIMS, Sevagram,24th April, 2014

PRESENTATIONS IN CONFERENCES AT MGIMS

1. Lecture – PC & PNDT
Lecture- Essential Obstetric Care
Internship orientation program 2008 referred batch
S.N. Hall, MGIMS, Sevagram, 31st August 2013
2. Dr. Poonam Varma Shivkumar
Guest Lecture- Study Designs-1 Observational studies (Case control cohort study)
Workshop on Research Methodology, Organized by Kasturba Nursing College,12th December, 2013
3. Dr. Poonam Varma Shivkumar
Guest Lecture- Study Designs-2 Experimental studies
Workshop on Research Methodology, Organized by Kasturba Nursing College, 12th December, 2013
4. Dr. Surekha Tayade& Dr. Shuchi Jain
Lecture – PC & PNDT
Lecture- Essential Obstetric Care
Internship orientation program 2009 regular batch
S.N. Hall, MGIMS, Sevagram,11th March, 2014
5. Dr. S.Chhabra
Guest Lecture- Rising Caesarean birth and future health

- Faculty - Live demonstration on Unique Misgave Ladach techniques
National CME and workshop on “Current concepts and latest trends in caesarean section under theme on “Skill, will and drill”
Organized by Department of OBGY and Sevagram-Wardha Obstetrics & Gynecology society, Sevagram, 28th March, 2014
6. Dr. Poonam Varma Shivkumar, Dr. SurekhaTayade, Dr. Shuchi Jain
Faculty- Workshop on Caesarean Section and care of New Born Resuscitation
National CME and workshop on “Current concepts and latest trends in caesarean section under theme on “Skill, will and drill”
Organized by Department of OBGY and Sevagram-Wardha Obstetrics & Gynecology society, Sevagram, 28th March, 2014
7. Dr.Surekha Tayade
Faculty- Live demonstration on Unique Misgave Ladach techniques
Faculty- Workshop on Caesarean Section and care of New Born Resuscitation
National CME and workshop on “Current concepts and latest trends in caesarean section under theme on “Skill, will and drill”
Organized by Department of OBGY and Sevagram-Wardha Obstetrics & Gynecology society, Sevagram, 28th March, 2014

YEAR 2014-2015

1. Tayade S
Primary Fallopian Tube carcinoma (oral presentation)
National CME on Update on Management of Gynecology Malignancies
Dept of Obstetrics & Gynecology & SWOGS, 19th & 20th April, 2014
2. **Shivkumar PV**
Endocrinology & PCOS/Infertility (Chairperson)
Conference and workshop on Gynae Endocrine
New Delhi, 25th-26th April, 2014
3. **Tembhare A**
PCOS- A Concern of Women Health in Present day lifestyle and its future perspective
(paper presentation)
Conference and workshop on Gynae Endocrine
New Delhi, 25th-26th April, 2014
4. **Jain S**
Proffered paper (Chairperson)
Conference on Hello Diabetes Academia
Diabetes care and Research Centre

- Nagpur, 26th & 27th July, 2014
5. **Tayade S**
 1. Ethical issues in Medical research (Resource person)
 2. Critical evaluation of journal article
 3. Group activity on critical appraisal of journal article

Basic workshop on Research Methodology, Shri Vasantrao Naik
Government Medical College, Yavatmal, 14th August, 2014
 6. **Tayade S**

Adolescent Gynecological Problems (Guest lecture)
Hindi Vishwavidyalaya
Hindi Bhasha Prachar Samiti, Wardha, 21st August, 2014
 7. **Tayade S**

Poor Endometrial Thickness-What Next (Guest lecture)
National CME on Infertility
Datta Meghe oration and K.K. Deshmukh Conference
JNMC, Sawangi Meghe, 22nd & 23rd August, 2014
 8. **Jain S**

Poor Endometrial Thickness- What Next (Chairperson)
National CME on Infertility
Datta Meghe oration and K.K. Deshmukh Conference
JNMC, Sawangi Meghe, 22nd & 23rd August, 2014
 9. **Karambelkar M**

High Risk Pregnancy (Panelist)
West Zone Yuva FOGSI, 2014
MUHS, Nashik, 11th -14th September, 2014
 10. **Tayade S**

Obstetrics emergencies for basics of care to reduce maternal mortality
2nd Annual conference of IMA
CIMACON, 2014
Chandrapur, 10th, 11th, 12th October, 2014
 11. **Chhabra S**

Community oriented Medical Education (Symposium)
3rd SEARAME and 2nd FOSME Conference 2014
Colombo, Srilanka, 12th -15th November, 2014
 12. **Chhabra S**

Health Hazards amongst Health Care Personnel” & “Improvement of
Women user provider – Environment Friendly Health Facility (Paper
Presentation)
The Network: Towards Unity for Health Conference
Fortaleza, Brazil, 17th November to 24th November, 2014
 12. **Tayade S**

Simulation based training for procedural skills for undergraduate medical students in rural setting

Development of tools for National maternal miss review program

3rd SEARAME and 2nd FOSME Conference 2014

Colombo, Srilanka, 12th -15th November, 2014

14. **Jain S**

Maternal morbidity and mortality - a rural experience

Conference on Women's health Issues

FIGO SAFOG SLCOG

Colombo, Srilanka, 29th Oct- 2nd Nov, 2014

15. **Tayade S**

1. Ethics in Medical Research (Guest lecture)

2. Critical appraisal of journal article

Research Methodology workshop

Shri Vasantnaik Government Medical College, Yavatmal, 14th,15th,16th January, 2015

16. **Chhabra S**

Cancer, Gynecological Cancer and Reproductive Health of Women (Guest Lecture)

International conference reproductive health and 25th annual meeting of Indian society for the study of reproductive and fertility

Mumbai 14th -17th February, 2015

17. **Tayade S**

Women and health issues (Guest lecture)

Dr. Babasaheb Ambedkar Public School

Pulgaon, 26th January, 2015

Presentations in conferences at MGIMS

1. **Chhabra S**

Management of Early Cervical Malignancy (Guest Lecture)

National CME on Update on Management of Gynecology Malignancies

Dept of Obstetrics & Gynecology & SWOGS, 19th & 20th April, 2014

2. **Kumar N**

Unusual presentation on Gynecological Malignancies (Case presentation)

National CME on Update on Management of Gynecology Malignancies

Dept of Obstetrics & Gynecology & SWOGS, 19th & 20th April, 2014

3. **Tembhare A**

Vulval Malignant Melanoma- A rare case in Gynae Practice and Its Management in resource poor setting (Paper presentation)

National CME on Update on Management of Gynecology Malignancies

Dept of Obstetrics & Gynecology & SWOGS, 19th & 20th April, 2014

4. **Chhabra S**
 Gestational Trophoblastic Disease: A matter of concern (Moderator panelist)
 National CME on Update on Management of Gynecology Malignancies
 Dept of Obstetrics & Gynecology & SWOGS, 19th & 20th April, 2014
5. **Tayade S**
 1. The medical interview- tasks and skills of an interviewer
 2. Presentation skills
 Face to face workshop
 Academy of medical sciences
 MGIMS, Sevagram, 13th July, 2014
6. **Chhabra S**
 Safety in Medical Practice- an overview (Guest Lecture)
 CME on Safety First
 Dept of Obstetrics & Gynecology & SWOGS
 MGIMS, Sevagram, 27th July, 2014
7. **Shivkumar PV**
 Role Play on Doctor's Safety while dealing with patients (Guest Lecture)
 CME on Safety First
 Dept of Obstetrics & Gynecology & SWOGS
 MGIMS, Sevagram, 27th July, 2014
8. **Tayade S**
 1. Blood components and safety issues (Guest lecture)
 2. Medical Safety Issues (Moderator)
 CME on Safety First
 Dept of Obstetrics & Gynecology & SWOGS
 MGIMS, Sevagram, 27th July, 2014
9. **Jain S**
 Medical Safety Issue (Panelist)
 CME on Safety First
 Dept of Obstetrics & Gynecology & SWOGS
 MGIMS, Sevagram, 27th July, 2014
10. **Tembhare A**
 To evaluate effect of iron deficiency Anemia on Maternal health during Pregnancy, labour and postpartum (Paper presentation)
 International CME & Conference on Women's Health- Fatal Disorder- Survival with Quality"
 Dept of Obstetrics & Gynecology & SWOGS
 MGIMS, Sevagram, 5th -7th December, 2014
11. **Tayade S**

1. Clinical bed side teaching- importance, challenges, solution (Faculty)
 2. Appropriate and effective use of medial in teaching and learning
 3. Practical examination OSCE/OSPE
- Basic Medical Education workshop
MGIMS, Sevagram, 20th -22nd January, 2015

YEAR 2015-2016

1. **Shivkumar PV**
Chairperson: Carcinoma Cervix
CME on Update on Prevention and Management of Carcinoma Cervix
Deoli Sawangi Obstetrics and Gynecology Society
JNMC, Sawangi Meghe, 1st August, 2015
1. **Tayade Surekha**
Poster presentation: Mini CEX in Postgraduate students of Obstetrics and Gynecology in rural Medical School
2nd Advance course of Medical Education, MET workshop
JNMC, Sawangi Meghe, 8th August to 10th August, 2015
2. **Tayade Surekha**
Poster Presentation: Three Tiered assessment of non speciality doctors
Oral Presentation:
Maternal near miss – A pilot study in India
Education rural women of india about violence against women By utilizing ANM and Asha
Network towards Unity for Health Conference
Gauteng, South Africa, 12th -17th September, 2015
3. **Chhabra S**
Men's perceptions about maternal care, experience from a Low resource hilly forestry region of India
Essential of integrating health professionals education and Health care system
Co-Author co-presenter with Dr. Judy
Is reducing family size enough to improve the health of women and children
Co-Author with Dr. Mahmuda
Empowering adolescent girls through nutrition education in South Asia
Co-Author with others
Maternal Near Miss review- a national level pilot program in India
Three tiered assessment in training on non specialist doctors
Emergency obstetric care- a way to promote effective learning

- Poster presentation: Men's perceptions about maternal care, experience from a Low Resource hilly forestry region of India
SEA Regional meet of Network TUFH
Network TUFH executive committee meeting
Network Towards Unity for Health Conference
Gauteng, South Africa, 12th -17th September, 2015
4. **Tayade Surekha**
Endometriosis- What's New (Guest lecture)
Nagpur Obstetrics and Gynecology Society
Nagpur, 19th -20th September, 2015
 5. **Tayade Surekha,**
Pathophysiology of Hypertensive Disorders of Pregnancy (Guest lecture)
FOGSI- Gestosis certificate course in Hyertensive Disorder of Pregnancy
HOPE-2015
Yavatmal Obstetrics and Gynecology Society
Yavatmal, 18th October, 2015
 6. **Tembhare Amardeep**
Guest Lecture: Access Techniques on Laparoscopy
Annual Conference IMA Chandrapur
Indian Medical Association
Chandrapur, 10th -11th October, 2015
 7. **Tayade Surekha**
Guest Lecture: Gestational Trophoblastic Neoplasia
GYNAECON, 2015
Nagpur Obstetrics and Gynecological society in Association with Indian Association of Gynecological Endoscopist
Nagpur, 24th -25th October, 2015
 8. **Shivkumar Poonam Varma**
Guest lecture: Newer advance in labour management
Preventive Health and Critical care in Obst & Gynae, AOGD Conference, 2016
37th Annual conference of Association of Obstetrician and Gynecologist of Delhi, Delhi, 31st October to 1st November, 2015
 10. **Tayade Surekha**
Conducted workshop on- Training Health Professionals in Infertility Management
Bringing quality to Maternal and Child Health Services: Indian Midwives take the challenges
Yenepoya University, Mangaluru, 20th -22nd November, 2015
 11. **Dr. Surekha Tayade**
Guest Lecture: Untrasonographic monitoring of ovarian follicles

- Master Class Infertility-II
Lakshmi Shrikhande IVF and Surrogacy Centre
Nagpur, 28th-29th November, 2015
12. **Jain Shuchi**
Master Class Infertility-II
Lakshmi Shrikhande IVF and Surrogacy & Femicare foundation
Nagpur, 28th-29th November, 2015
13. **Chhabra S**
Faculty : EC Meeting
AGOICON-2015
Association of Gynecological Oncologist of India
& Basavatarakam Indo American Cancer hospital and Research Institute
Hyderabad, 27th to 29th November, 2015
14. **Tayade Surekha**
Panelist: Early Pregnancy loss (First trimester RPL)
Expert : National Consensus Building meeting on “Hypothyroidism in
Pregnancy”
RPL Conference, 2015, Pune Obstetrics and Gynecological Society
Pune, 19th -20th December, 2015
15. **Chhabra S**
Guest Lecture: Severe Maternal Morbidity Near Miss
World congress of Indian College of Obstetrics and Gynecologist-Why
Mothers die?
Bengal Obstetric and Gynecological society
The Kalyani Obstetric and Gynecological society, Bardhaman Obstetric
and Gynecological society, Kolkatta, 19th -20th December, 2015
16. **Tayade Surekha**
Guest lecture- Women’s Health and Gynecological disorders
Kosambi Society, Sevagram, 3rd January, 2016
17. **Tayade Surekha**
Panelist : The Obstetric Syndrome
Faculty : PPH workshop live hand on training
Topic- HDU Critical Care Unit
Talk : Fever in Pregnancy
Chairperson : Medical Disorder in Pregnancy
Women’s Health: Conception to senescence
AICOG, 2016, 59th All India Conference of Obstetrics and Gynecology
Agra, 13th-17th January, 2016
18. **Shivkumar Poonam Varma**
Panel discussion Moderator IIIrd stage of labour
30th Annual Conference AMOG, 2016

- Association of Maharashtra Obstetrics and Gynecological Society
Ahmednagar, 12th -14th February, 2016
19. **Priyadarshani Preeti**
Paper Presentation- A prospective study of benign and premalignant cervical lesions with special reference to human papiloma virus infection
30th Annual Conference AMOG, 2016
Association of Maharashtra Obstetrics and Gynecological Society
Ahmednagar, 12th -14th February, 2016
20. **Jain Shuchi**
Guest Lecture: Coping with increasing waistlines
21st National conference of Indian Menopause Society, IMSCON,2016
Indian Menopause Society
Nagpur, 19th -21st February, 2016
21. **Tayade Surekha**
Guest Lecture: Disorders of breast in Pregnancy and Postpartum
21st National conference of Indian Menopause Society, IMSCON,2016
Indian Menopause Society
Nagpur, 19th -21st February, 2016
22. **Chhabra S**
Guest Lecture : Men's perception and practices with respect to Maternity care
International conference on "Male involvement in improving women's sexual and reproductive Health : Evidence, Action and Possibilities
National Institute for Research in Reproductive Health (ICMR)
Mumbai 28th February to 2nd March, 2016
23. **Tayade Surekha**
Panelist- Foetal Environment (Placenta, Liquor, Cord)
Gestosis International conference, 2016
Committee of Nashik Obstetrics and Gynecological Society
Nashik, 4th -6th March, 2016
24. **Tayade Surekha**
Guest Lecture- Hypothyroidism in Pregnancy
FOGSI National Conference on High Risk Pregnancy, Modern Technology & Obstetrics sonography
Aurangabad OBGY society
Aurangabad, 18th -20th March, 2016
25. **Tayade Surekha**
Observer- High deficiency unit and high risk obstetrics unit
State Hospital, Canberra
Canberra, Australia, 24th -30th March, 2016

PRESENTATIONS IN CONFERENCES AT MGIMS

1. **Shivkumar PV**
OSCE/OSPE (Resource Person)
Bed Side teaching (Resource Person)
Basic Workshop in Health Sciences Education Technology
MGIMS, Sevagram 21st -23rd July, 2015
2. **Tayade Surekha**
OSCE/OSPE (Resource Person)
Bed Side teaching (Resource Person)
Basic Workshop on Health Sciences Educational Technology
Kasturba Nursing School, Sevagram, 21st -23rd July, 2015
3. **Tembhare Amardeep**
OSCE/OSPE
Bed Side Clinical Skill
Basic Workshop on Health Sciences Educational Technology
Kasturba Nursing School, Sevagram, 21st -23rd July, 2015
4. **Chhabra S**
Oration: Slippery Road of Maternity-Mission healthy mother and baby at birth and beyond
National CME and Workshop “Partogram and its advancement – A Maternofetal life savior – The 3 T’s – Train- Teach- Transfer
Dept of Obstetrics & Gynecology & SWOGS, Sevagram, 26th September, 2015
5. **Shivkumar Poonam Varma, Kumar Pramod**
Symposium: The E Partograph- Lets learn the ABC’s
National CME and Workshop “Partogram and its advancement – A Maternofetal life savior – The 3 T’s – Train- Teach- Transfer
Dept of Obstetrics & Gynecology & SWOGS, Sevagram, 26th September, 2015
6. **Shivkumar PV**
Guest Lecture- Surgical Management of Gynecological Cancer
Teaching course on Gynecological Malignancies
Department of Radiotherapy, MGIMS and Indian College of Radiation Oncology(ICRO) and Association of Radiation Oncologist of India (AROI), MGIMS, Sevagram, 24th October, 2015
7. **Shivkumar Poonam Varma, Gangane Neha, Chaurasia Anupam, Suman Akanksha, Chaudhari Prachi**
Maternal Near Miss: How good we are and how bad we are?
Academy of Medical Sciences, MGIMS, Sevagram, 20th January, 2016
8. **Chhabra S**

Guest lecture: Tuberculosis in Infertility
Regional CME & Workshop on Infertility- Recent Updates
Dept of Obstetrics & Gynecology & SWOGS,
Sevagram, 31st January, 2016

9. **Priyadarshani Preeti**
Guest Lecture- Cervical Cancer: Awareness & Prevention
Theme- Creating Awareness about cancer in Women
Academy of Medical Sciences, MGIMS, Sevagram, 7th March, 2016
10. **Shelke Shila**
Carcinoma of Cervix
On the occasion of “Women’s day celebration”
Academy of Medical Sciences, MGIMS, Sevagram, 10th March, 2016
11. **Chhabra S, Shivkumar PV**
Conduct a Session on Impact of Violence against Women
Workshop on Training Health Professional to Reduce Violence against women
Department of Obstetrics and Gynecology, 6th March, 2016

ANNEXURE II (B):MEETING/ TASKFORCE

YEAR 2011-12

1. Dr.S.Chhabra
Meeting in Mumbai “Ashwini Cancer Centre”
4th May, 2011
2. Dr. S.Chhabra
Meeting for Melghat Project with Additional Chief Secretary and Health team of Amravati Akola division
Mumbai, 3rd July, 2011
3. Dr. Poonam Varma Shivkumar
Attend the meeting of EmOC Curriculum Discussion
Lucknow
24th -26th September, 2011
4. Dr. Poonam Varma Shivkumar
Faculty & Resource Person-National Meeting on SB Review
PGI, Chandigarh
8th -10th February, 2012

YEAR 2012-13

1. Dr. S.Chhabra, Dr. Poonam Varma Shivkumar, Dr.Surekha Tayade
1st National Consensus Building Project meeting
Maternal Near Miss Project
New Delhi, 13/4/2013
2. Dr.Poonam Varma Shivkumar
WHO Regional Meeting on Safe Abortion
Kathmandu, Nepal,17th – 21st September, 2012
3. Dr. Surekha Tayade
Meeting for Saving Mothers and Neonatal lives
Nagpur,25th September, 2012
4. Dr.S.Chhabra, Dr. Poonam Varma Shivkumar
2nd National Consensus Building Project meeting
Maternal Near Miss Project
New Delhi,30th October, 2012
5. Dr. Poonam Varma Shivkumar
Faculty- PSI Safe abortion meeting
Collaboration with WHO SEARO
New Delhi,28th November, 2012

YEAR 2013-2014

1. Dr. S.Chhabra, Dr. Poonam Varma shivkumar, Dr.Surekha Tayade
3rd National Consensus Building Project meeting
Maternal Near Miss Project, AVNI, Government of India
New Delhi, 05/04/2013
2. Dr. Poonam Varma Shivkumar
Expert Faculty - Expert group meeting to Finalize quality assurance for
RMNCH, Government of Maharashtra, Mumbai,24th -25th June, 2013
3. Dr. Poonam Varma Shivkumar
Invited as expert faculty
GOI core group meeting on Development of guidelines for planning and
implementation of skills lab
Government of India, Aurangabad, 16th -17th August, 2013
4. Dr. Poonam Varma Shivkumar

- Invited as expert faculty
Meeting- Project of field testing of still birth surveillance tools
Government of India, WHO SEARO
New Delhi, 30th -31st August, 2013
5. Dr.S.Chhabra
Regional meeting to Review progress in strengthening teaching of public health in medical schools
WHO South-East Asia Regional office
Thailand, 10th -14th December, 2013
 6. Dr. Poonam Varma Shivkumar
Meeting on Skills Lab
Government of India, Mumbai, 6th January, 2014
 7. Dr. Poonam Varma Shivkumar
Meeting for extension of the project “Ensuring the complete and accurate plotting of modified WHO Pantograph”
Organized by JivDaya Foundation
New Delhi, 6th to 7th March, 2014
 8. Dr. Poonam Varma Shivkumar
Meeting with Director for Cancer Screening project
Government of India
Nagpur, 12th March, 2014
 9. Dr. Poonam Varma Shivkumar
Meeting for Operational Guidelines for the New Maternal Health Intervention
Government of India, New Delhi, 4th April, 2014

YEAR 2014-2015

1. **Shivkumar PV**
Meeting on Operational guidelines for the new maternal health intervention
Government of India, Delhi, 4th April, 2014
2. **Chhabra S**
Expert group meeting
ICMR, Delhi, 1st July, 2014
3. **Shivkumar PV, Podder M**
The expert group meeting on the preparing the technical and operational guidelines and recommendation for maternal health care
Government of India
Aurangabad, 3rd -5th July, 2014
4. **Chhabra S**

- Expert group Meeting
ICMR
New Delhi, 25th -27th July, 2014
5. **Chhabra S**
Meeting for Division of RCH and Special project review committee
Government of India
Delhi, 13th & 14th August, 2014
 6. **Shivkumar PV**
The expert group meeting on the preparing the technical and operational guidelines and recommendation for maternal health care and to discuss details of MCH wing
Cochin, 16th -17th August, 2014
 7. **Chhabra S**
1st Meeting of Newly constituted Scientific Advisory Board
ICMR
Delhi, 16th August, 2014
 8. **Chhabra S**
ICMR meeting on Newly constituted Scientific Advisory board
Delhi, 26th August, 2014
 9. **Shivkumar PV**
WHO SEARO Expert group committee as an expert for expert group meeting to review and develop the pocket book of maternal care
New Delhi, 1st -2nd September, 2014
 10. **Shivkumar PV, Podder M**
Government of India MH Division for expert group meeting on newer MH Intervention
Government of India
New Delhi, 22nd September, 2014
 11. **Shivkumar PV**
PPH Management Strategy meeting under FIGO Banner
Colombo, Srilanka, 28th -31st October, 2014
 12. **Shivkumar PV**
Government of India MH Division for a meeting on MCH Wing
New Delhi, 13th, 14th, 15th November, 2014
 13. **Chhabra S**
Meeting of Scientific Advisory Committee (SAC) of NIRRH, Mumbai under ICMR
Mumbai, 17th -18th December, 2014
 14. **Chhabra S**
Project Review Group (PRG) meeting of NIRRH, under ICMR
Mumbai, 29th December, 2014

15. **Dr. Shuchi Jain**
1st Expert group meeting on Development of training package for cervical cancer screening and management
WHO, New Delhi, 12-13 November, 2014
16. **Dr. Shuchi Jain**
2nd Expert group meeting on Development of training package for cervical cancer screening and management
WHO, New Delhi, 8-9th March, 2015

YEAR 2015-2016

1. **Shivkumar PV**
Meeting by GOI MH division for firming up the training manual Skills lab
New Delhi, 21st -23rd April, 2015
2. **Chhabra S**
Expert group meeting of Maternal Death Review
Government of India
New Delhi, 5th -6th May, 2015
3. **Jain Shuchi**
Attend second expert group meeting to review and develop the pocket
WHO SEARO book on Maternal Care
Colombo, Srilanka, 27th-29th May, 2015
4. **Chhabra S**
Meeting of Maternal Death Review
Government of India
New Delhi, 30th June, 2015
5. **Shivkumar PV**
Meeting of technical advisory group of Grand Challenge
Birac Office, New Delh, 27th July, 2015
6. **Shivkumar PV**
Meeting by GOI related to RMNCH+A for Skills lab
New Delhi, 19th -20th September, 2015
7. **Chhabra S**
Meeting on Maternal Death Review
Government of India (Ministry of Family & Health Welfare)
Delhi, 21st September, 2015
8. **Shivkumar PV**
Meeting of Electronic Pantograph
Mumbai, 28th -30th September, 2015
9. **Shivkumar PV**
Meeting of the Technical Advisory Committee on Still birth

- New Delhi, 13th October, 2015
10. **Chhabra S**
Meeting on Pre SAC for clinical / Pub (Health) / Behaviours research
Government of India
New Delhi, 14th October, 2015
 11. **Chhabra S**
Meeting of Scientific Advisory Committee at NIRRH
Ministry of Health and Family Welfare, Government of India
Mumbai, 15th December, 2015
 12. **Shivkumar PV**
Meeting of JDF IMHI Project
Ministry of Health and Family Welfare, Government of Maharashtra
Pune, 21st -23rd December, 2015
 13. **Shivkumar PV**
MMA Manual Meeting
CAC guideline for Government of India
New Delhi, 4th January, 2016
 14. **Chhabra S**
Meeting of Governing Council of ICMR
Delhi, 1st February, 2016
 15. **Chhabra S,**
Scientific Advisory Committee meeting NIRRH
ICMR
New Delhi, 19-20 February, 2016
 16. **Chhabra S,**
Scientific Advisory Committee meeting (Project)
Burapetha, Assam University
Assam, 22nd February, 2016
 17. **Shivkumar PV**
Meeting of Neonatal Action group to discuss the implementation of recent
revision/ upgradation
Guidelines related to management of new born care
New Delhi, 11th -12th March, 2016

ANNEXURE III: EXTRA-INSTITUTIONAL RESPONSIBILITIES

- a) **National Committees**
 - **Dr.S.Chhabra**
 - ❖ Member of steering committee on Global Consensus on Social Accountabilities in Medical Education Health Care
 - ❖ Member of Scientific Advisory committee ICMR

- ❖ Member of Tribal Health Committee, ICMR
- ❖ Member of Model Rural Health Research Unit- Project review group
- ❖ Member of scientific advisory committee of National Institute rural reproductive health
- ❖ Member of Project Review Group- NIRRH-FU- ICMR
- ❖ Scientific Advisory group member of Reproductive Child Health Section, ICMR
- ❖ Board of Examiners of Certified Counseling Course in Breastfeeding and Complementary Feeding.
- ❖ Task force member NTFBa by Friendly Hospital
- **Dr. Poonam Varma Shivkumar –**
- ❖ Officer Incharge- PPTCT (Prevention of patient to child transmission of HIV / AIDS and VCTC)
- ❖ Tertiary Centre Technical Consultant, Master trainer – EmOC
- ❖ Member of Japanese collaborative Society for under privileged Education.
- ❖ Member of Core committee for National Quality Assurance Cell for assessment of EmOC and LSAS training, Govt of India
- ❖ TAG Member of IMNCI, IndiaCLEN
- ❖ Member for CEU project assessment core committee IndiaCLEN.
- ❖ Member of Expert Committee-Biotechnology- Indian Council of Medical Research, New Delhi
- ❖ Member of Core Committee for National Quality Assurance in EmOC
- ❖ Member of Core Committee for State Quality Assurance in EmOC
- ❖ Contributor to GOI tool kit and clinical skills lab manual
- ❖ Ex. President, Sevagram-Wardha Obstetrics and Gynecology Society
- **Dr. Surekha Tayade**
- ❖ Ex. President, Past secretary SWOGS
- ❖ Member of Core committee for Quality Assurance in EmOC
- ❖ Member of Quality Assurance of LSAS Training
- ❖ Member of Study of Female Breast Committee FOGSI
- ❖ Member of Women's Health Task Force of Towards Unity For Health, GHETS, USA
- ❖ Contributor in Government of India operational guidelines on Maternal Near Miss Review
- **Dr. Shuchi Jain**
- ❖ Member of expert committee WHO training of cervical cancer screening
- ❖ Member of expert committee of WHO pocket book on Maternal Health
- ❖ President, SWOGS
- ❖ Member of Core Committee for National Quality Assurance in EmOC
- **Dr Amardeep Tembhare**
- ❖ Member of expert committee WHO training of cervical cancer screening

- **Dr Sheela Shelke**
- ❖ Secretary, Sevagram-Wardha Obstetrics and Gynecological Society
- **Dr Manjiri Podder**
- ❖ Contributor in Government of India operational guidelines on maternal near miss review
- ❖ Contributor in Government of India operational and technical guidelines on screening for syphilis during pregnancy
- b) International Committees**
- **Dr.S.Chhabra**
- ❖ Member of Women Health Task Force, Network TUFH GHETS
- ❖ British Council
- c) Editorial Board**
- **Dr.S.Chhabra**
- ❖ Special issue on Gynecological Cancer for Journal of Review on Recent Clinical Trial
- ❖ Guest Editor Current Medical Journal of India
- ❖ Guest Editor Community Health Care

ANNEXURE IV (A) CONFERENCES ATTENDED

YEAR 2011-12

1. Dr.S.Chhabra, Dr.Poonam Varma Shivkumar, Dr.Surekha Tayade, Dr.Shuchi Jain, Dr. Pramod Kumar, Dr.ArпитаJaiswal, Dr.Netra Kamala & All Postgraduates of the department
Continenace CME-2011- Management of Stress Urinary Incontinence
Dept of OBGY, MGIMS, Sevagram & SWOGS
10th April, 2011
2. Dr. Poonam Varma Shivkumar
Conference on Colposcope
Nagpur Obstetrics & Gynecological Society(NOGS), Nagpur
29th April, 2011
3. Dr.S.Chhabra, Dr.Poonam Varma Shivkumar, Dr.Surekha Tayade, Dr.Shuchi Jain, Dr. Pramod Kumar, Dr.Arпита Jaiswal,Dr. Nilajkumar Bagde, Dr.Mehul Salve Dr.Madhuri Bagde, Dr.Netra Kamala & All Postgraduates of the department.
CME-Hysterectomy-From Keyhole to No hole Surgery,
Dept of OBGY, MGIMS, Sevagram, SWOGS & Deoli-Sawangi Obstetrics & Gynecology Society,23rd July, 2011

4. Dr. Nilajkumar Bagde, Dr. Madhuri Bagde, Dr. Manjiri Ramteke, Dr. Snehal Bandedbuche
LAPROTECH-2011, Association of Minimal Access Surgeon of India (AMASI) & Datta Meghe Institute of Medical Sciences (DU), Nagpur
26th & 27th November, 2011
5. Dr. Shuchi Jain, Dr. Arpita Jaiswal, Dr. Mehul Salve
Labour workshop and CME on Safe Delivery
JNMC, Sawangi Meghe, 11th December, 2011
6. Dr. S. Chhabra, Dr. Poonam Varma Shivkumar, Dr. Surekha Tayade, Dr. Shuchi Jain, Dr. Pramod Kumar, Dr. Nilajkumar Bagde, Dr. Madhuri Bagde, Dr. Mehul Salve
CME- Scope & Application of Anthropometric Method in present day research, Dept of Anatomy, MGIMS, Sevagram, 18th November, 2011
7. Dr. Shuchi Jain
GYNAECON-2011
Nagpur Obstetrics & Gynecology Society, Nagpur, 17th & 18th Dec 2011
8. Dr. Surekha Tayade, Dr. Shuchi Jain, Dr. Pramod Kumar, Dr. Nilajkumar Bagde, Dr. Madhuri Bagde, Dr. Naina Kumar, Dr. Mandar Karambelkar, Dr. Manjiri Ramteke, Dr. Anupriya Singh, Dr. Anu Namgyal, Dr. Praveen Thokal, Dr. Pradeep Borkar, Dr. Suhas Landge
SUTURE PRACTICUM 2012- Hands on Training workshop on Suturing and Endostapling Techniques
Department of Surgery, MGIMS, Sevagram, 18th -19th February, 2012

YEAR 2012-13

1. Dr. Shuchi Jain
Conference & Live Workshop on Evolving Trends in Gynae Endoscopic Surgery, 2012
Pushapanji Crosslay Hospital, Gaziabad, 27TH-28th October, 2012
2. Dr. Mandar Karambelkar, Dr. Manjiri Ramteke, Dr. Anu Namgyal
GYNAECON, 2012
Nagpur Obstetrics & Gynecology Society, Nagpur
28th October, 2012
3. Dr. Amardeep Tembhare, Dr. Manjiri Ramteke, Dr. Anu Namgyal
World congress on Dilemma OBGY
Nagpur, 30/11/2012 to 2/12/2012
4. Dr. Pramodkumar, Dr. Amardeep Tembhare, Dr. Naina Kumar, Dr. Madhuri Bagde, Dr. Nilajkumar Bagde
Medical Equipment Safe
Dept of Anaesthesiology, MGIMS, Sevagram, 22nd January, 2013

5. Dr. Amardeep Tembhare, Dr. Madhuri Bagde, Dr. Manisha Rewatkar, Dr. Ritu Singh
CME on “Review of Clinical Anatomy of Kidney in Context of Present Day Needs”
Dept of Anatomy, 24th January, 2013

YEAR 2013-14

1. Dr. Nilajkumar Bagde
CME on Post partum Haemorrhage
Organized by Deoli-Sawangi Obstetrics & Gynecology Society,
JNMC, Sawangi, 22nd June, 2013
2. Dr. Shuchi Jain
HYPFICON 2013
International live workshop and conference on Fibroids & Hysterectomy
Travancore-Cochin Medical College
Cochin, 27th -29th September, 2013
3. Dr. Pramod Kumar, Dr. Manjiri Ramteke, Dr. Rucha Sanap
CME on Pain Management: An arena to explore
Department of Anesthesiology, MGIMS, Sevagram with travelling pain school
Department of Anesthesiology, MGIMS, Sevagram, 14th July, 2013
4. Dr. Amardeep Tembhare, Dr. Pravin Thokal, Dr. Kavita Saharan, Dr. AnuNamgyal, Dr. PravinThakre
CME on Management of Labour
Organized by Deoli-Sawangi Obstetrics & Gynecology Society,
JNMC, Sawangi, 11th August, 2013
5. Dr. Poonam Varma Shivkumar, Dr. Shuchi Jain, Dr. Priyanka Shrivastava, Dr. Manisha Rewatkar, Dr. Aparna Wattamwar
National Symposium on Innovation in TB Diagnostics, Drugs Target and Biomarkers And CME on Innovation in Molecular and Immunodiagnosis for PTB and EPTB in India
JB Tropical Disease Research Centre and Department of Biochemistry, MGIMS, Sevagram with supported by KHS, Astra Zeneca, ICMR, DBT, CSIR, DST & MCI), 27th -28th January, 2014
6. Dr. Naina Kumar, Dr. PravinThakare
Live surgical workshop on “Recent Trends in Micro Ear Surgery”
Organized by Department of ENT
8TH & 9TH March, 2013

YEAR 2014-15

1. Dr. Poonam Varma Shivkumar (Faculty), Dr. Surekha Tayade
National Conference on Health Professions Education
Organized by Department of Pathology, 24-27th September, 2014
2. Dr. S.Chhabra, Dr. Poonam Varma Shivkumar, Dr. Surekha Tayade, Dr. Shuchi Jain, Dr. Pramod Kumar, Dr. Naina Kumar, Dr. Sheela Shelke, Dr. Manjiri Podder, Dr. Netra Kamla
International CME & Conference on Women's Health- Fatal Disorder- Survival with Quality"
Dept of Obstetrics & Gynecology & SWOGS, MGIMS, Sevagram, 5th -7th December, 2014
3. Dr. Anupam Chaurasia, Dr. Ketki Thool
International CME and workshop on Critical Care -2014
Organized by Department of Medicine, 11th December, 2014

YEAR 2015-16

1. **Shivkumar PV, Jain Shuchi, Tembhare Amardeep, Shelke Shila**
Capacity Building workshop for Capacity Building for Medical facilities in MNCHN Research
Department of Community Medicine, Sevagram, 31st August- 4th September, 2015
2. **Shivkumar PV**
1ST Revised Basic course in Medical Education Technology
MCI Nodal centre for National faculty development
JNMC, Sawangi Meghe, 8th -10th September, 2015
3. **Shivkumar PV, Shelke Shila, Priyadarshani Preeti, Bhagat Manjula, Yadav Santosh**
Clinical Skill Standardization (CSS) Training for strengthening Pre-service education
Department of OBGY, Kasturba Nursing College
MGIMS, Sevagram, 16th -17th December, 2015
4. **Deshmukh Pravina**
OG Quest -2016
19th Revision course for OBGYN postgraduates and Obstetric Drill Workshop
Department of Obstetrics and Gynecology, Sri Ramchandra University
Chennai, 3rd January to 8th January, 2016

ANNEXURE IV (B) COURSES ATTENDED

YEAR 2011-12

1. Dr.Poonam Varma Shivkumar, Dr.Surekha Tayade, Dr.Shuchi Jain, Dr.Pramod Kumar, Dr.MadhuriBagde, Dr.NilajkumarBagde
17th Annual Basic Neonatal Care and Neonatal Resuscitation Training Course, Dept of Pediatrics, 6th & 7th August, 2011

YEAR 2012-13

1. Dr. Shuchi Jain
Attended course on Endoscopy
Dr. Rajesh Modi Endoscopy centre, Akola
1st October, 2012 to 31st December, 2012
2. Dr. Arpita Jaiswal
“Helping Babies Breathe” training program
Lata Medical Research Foundation, Nagpur
17th to 21st May, 2012.

YEAR 2013-14

1. Poonam Varma Shivkumar, Dr. Pramod Kumar
Training on PPIUCD
Health and Family Planning Training
Nagpur

YEAR 2014-15

1. Tayade S
3rd Onsite session at PSG- FAIMER Regional institute
Coimbatore, 2nd -8th April, 2014
2. Dr. Amardeep Tembhare, Dr. Naina Kumar
Basic Workshop in Research Methodology
GMC, Nagpur
17/3/2015 to 19/3/2015

YEAR 2015-16

1. Tayade Surekha
5th Onsite session at PSG- FAIMER Regional institute
Coimbatore, 17th -22nd June, 2015

ANNEXURE IV (C) WORKSHOPS ATTENDED

YEAR 2011-2012

1. Dr. Shuchi Jain, Dr.Pramod Kumar
SBMR Workshop of EmOC Project
Chennai
25th -26th June, 2012
2. Dr. Shuchi Jain
Resource Person –EmOC Quality Assurance
Bhopal
19th-21st July,2011
3. Dr.S.Chhabra
Operative Workshop on “Ovarian Tumour”
AGOI, Jammu
26th -27th August, 2011
4. Dr.S.Chhabra
Attended workshop on “Interprofessional Education”
The Network : Towards Unity for Health, Graz, Austria,
16th -22nd September, 2011
5. Dr.Surekha Tayade
Resource Person- National Quality Assurance
Aurangabad
19th January, 2012
6. Dr.Shuchi Jain
Resource Person-National Quality Assurance
Raipur (Chhatisgarh)
9th -11th February, 2012

YEAR 2012-13

1. Dr.S.Chhabra
Resource Person, MNM Sensitization workshop under MNM Project
Bill Melinda gates, GOI, MOHFW, FOGSI and AVNI Foundation
Aligarh, 21st June, 2012
2. Dr.S.Chhabra
Resource Person, MNM Sensitization workshop under MNM Project
Bill Melinda gates, GOI, MOHFW, FOGSI and AVNI Foundation
Shimla, 22nd June, 2012
3. Dr.Poonam Varma Shivkumar, Dr.Surekha Tayade
Resource Person, MNM Sensitization workshop under MNM Project

- Bill Melinda Gates, GOI, MOHFW, FOGSI and AVNI Foundation
Bhopal, 11th July, 2012
4. Dr. Poonam Varma Shivkumar
Resource Person, MNM Sensitization workshop under MNM Project
Bill Melinda Gates, GOI, MOHFW, FOGSI and AVNI Foundation
GMC, GhosaHospital, Chennai, 24th July, 2012
 5. Dr.S.Chhabra
Resource Person, MNM Sensitization workshop under MNM Project
Bill Melinda Gates, GOI, MOHFW, FOGSI and AVNI Foundation
Rohtak, 28th July, 2012
 6. Dr.S.Chhabra
Resource Person, MNM Sensitization workshop under MNM Project
Bill Melinda Gates, GOI, MOHFW, FOGSI and AVNI Foundation
Bhopal, 26th September, 2012
 7. Dr. Poonam Varma Shivkumar
Workshop on Dissemination of Confidential review of MDR Cases
NRHM, State Family Welfare Bureau, Govt of Maharashtra
Nagpur, 3rd October, 2012
 8. Dr.S.Chhabra
Attended GHETS Mini workshop on 8th October, 2012
Meeting of GHETS on 8th October, 2012
Principle Coordinator- Reproductive Health of Adolescent Girls of the
Globe, The Network toward Unity Health (TUHF)
Thunder Bay, Canada, 8th-13th October, 2012
 9. Dr. Poonam Varma Shivkumar
Resource Person, MNM Sensitization workshop under MNM Project
Bill Melinda gates, GOI, MOHFW, FOGSI and AVNI Foundation
Aligarh & Shimla, 9th – 11th October, 2012
 10. Dr. Poonam Varma Shivkumar
Core group meeting on Technical advice for Skills lab station and Videos
for MCH Care for Nation
Igatpuri, Mumbai, 13th – 15th October, 2012
 11. Dr. S.Chhabra
Resource Person, MNM Sensitization workshop under MNM Project
Bill Melinda Gates, GOI, MOHFW, FOGSI and AVNI Foundation
Chennai, 25th October, 2012
 12. Dr. Poonam Varma Shivkumar
Guest faculty – Clinical skills lab specification final meeting
NRHM, Govt of India
25th October, 2012
 13. Dr. Poonam Varma Shivkumar & Dr. Surekha Tayade

- Resource Person,MDR Workshop
Civil Hospital, Wardha,29th November, 2012
14. Dr.S.Chhabra
Expert Assessor for training site for training EmOC
Imphal 8th&9th January, 2013
 15. Dr.S.Chhabra
Meeting with Mr. JayanthBanthia, Chief Secretary, Govt. of Maharashtra
Mumbai with Shri Dhirubhaiji Mehta & Shri Halbeji,11/1/2013
 16. Dr.S.Chhabra
ICMR- Scientific SAG Advisory Group meeting- 2013, New Delhi
24th January, 2013&6th March, 2013
 17. Dr.S.Chhabra
3rd International Meet Adoption, Central Adoption Resources Authority,
Ministry of women & Child Development, Govt of India, New Delhi
19th – 20th February, 2013
 18. Dr.Poonam Varma Shivkumar
Expert Group meeting on Establishing and Institutionalizing Quality
Assurance, Malvan, Sindhudurg, Maharashtra
16th – 18th February, 2013.

YEAR 2013-2014

1. Dr. Poonam Varma Shivkumar
Resource person
CIPS Innovation of developing Medical College with Sevagram and CMC
Model, Kakinada,15th- 17th April, 2013
2. Dr. Poonam Varma Shivkumar, Dr. NilajkumarBagade
Invited as expert faculty and co-faculty
Meeting- Project of field testing of still birth surveillance tools
Government of India, WHO SEARO
Chandigarh, 28th -30th July, 2013
3. Dr. Poonam Varma Shivkumar
Invited as technical advisor- Maternal health projects, Government of
India
3rd August 2014 Onwards , Several meetings were held over the year to
formulate the maternal health guidelines on various maternal health
aspects
4. Dr. Poonam Varma Shivkumar, Dr. Pramod Kumar
Workshop on “Ensuring the complete and accurate plotting of modified
WHO Pantograph
Organized by JivDaya Foundation, New Delhi, 20th September, 2013
5. Dr. Poonam Varma Shivkumar

- Invited as expert faculty
GOI core group meeting on Development of guidelines for planning and implementation of skills lab
Government of India, Pune, 30th – 1st October, 2013
6. Dr. Poonam Varma Shivkumar, Dr. Surekha Tayade
National Workshop on Family Planning
Government of India, New Delhi, 3rd -4th October, 2013
 7. Dr. Poonam Varma Shivkumar
Workshop on NNPD
Chandigarh, 15th to 17th February, 2014

YEAR 2014-2015

1. **Tayade S**
Sharing experiences regarding teaching communication skill to medical students in MGIMS, Sevagram (Resource Person)
TOT workshop in Communication skills for Teacher
Kashibai Navale Medical College, Pune, 30th -31st July, 2014

YEAR 2015-2016

- 1 **Shivkumar PV,**
Grand Challenge Workshop
Bill Melinda Gates foundation
Beijing, China, 18th 21st October, 2015
2. **Jain Shuchi, Tembhare Amardeep**
Capacity building workshop of trainers from 11 SEAR countries on Cervical Cancer Screening
PGIMER, Chandigarh, 16th -21st November, 2015
3. **Shivkumar PV**
Presentation- Present Standard strategies for decline
Workshop on Maternal Morbidity
Organized by DHS Government of Maharashtra and Bharati Vidyapith
DU Medical College, Pune, 4th -5th December, 2015
4. **Shivkumar PV**
Community Meeting of All Children Thriving (ACT), workshop
The African Academy of Sciences, Grand Challenge, Nairobi, Kenya, 20th -25th February, 2016
5. **Jain Shuchi**
TOT training programme of Maternal Near Miss Review under Government of India

Ministry of Health and Family Welfare
Hyderabad, 31st March-1st April, 2016

ANNEXURE IV (D) MEU WORKSHOP ATTENDED

YEAR 2013-14

1. Dr. Surekha Tayade
Selection for two year Medical Education fellowship programme
Attend 1st Onsite session on 6th to 12th April, 2013
Attend 2nd Onsite Session on 2nd to 8th April, 2014
PSG- FAIMER Regional Institute, Coimbatore

Annexure IV (E) RESEARCH METHODOLOGY WORKSHOP ATTENDED

YEAR 2011-12

1. Dr. Shuchi Jain
Attended Advanced Research Methodology training course
St. John Research Institute Bangalore
12th -24 September, 2011

YEAR 2013-14

1. Dr. Pramod Kumar, Dr. Nilajkumar Bagde
Basic Workshop on Research Methodology
Government Medical College,
Nagpur
23rd July -25th July, 2013

YEAR 2014-15

1. Dr. Amardeep Tembhare, Dr. Naina Kumar
Basic Workshop in Research Methodology
GMC, Nagpur
17/3/2015 to 19/3/2015

ANNEXURE V AWARDS & FELLOWSHIPS

- Dr. Poonam Varma Shivkumar received memento from Central Ammunition Depot, Pulgaon for outpatients services on 18th November, 2011

- Dr.S.Chhabra received Dr.B.N.Purandare outstanding Service award for the year 2011-12 at Mumbai organized by The Mumbai Obstetric & Gynecological Society on 7th -8th January, 2012
- Dr.Shuchi Jain received Late.Dr.Pravin Mehta fellowship in Endoscopy for 3 months from FOGSI, India on 29th January,2012
- Dr.Shuchi Jain received fellowship from ICOG, Varanasi on 30th -31st January 2012
- Dr. S.Chhabra won the best paper award in the first national conference on “Teenage Pregnancy” at Kalyani, West Bengal, December, 2012
- Dr. Surekha Tayade won the 1st Prize in debate at World Congress of OBGY at Nagpur, December, 2012
- Dr. S.Chhabra received Fellowship from GHETS, USA for participation in the workshop and conference under GHETS Network, TUFH, October, 2013
- Dr. Poonam Varma Shivkumar received certificate and memento for the Emergency Obstetric Care project on the occasion of world health day by Health minister Government of Maharashtra at Mumbai, February, 2013
- Dr. Surekha Tayade selected for Fellowship of two years Medical Education Fellowship programme under PSG FAIMER, Coimbatore
- Dr. S.Chhabra felicitated for appreciation of services to women’s health on the occasion of annual general body meeting AMWI (Mumbai branch) on 27th April, 2013 at Albless Hospital, Mahanagar Palika, Mumbai
- Dr. Surekha Tayade won distinction in FAIMER Fellowship in June 2015
- Dr. Surekha Tayade won 1st prize for best poster in Advance Course in Medical Education, FIME, July 2015
- Dr. Surekha Tayade won 2nd Prize in poster presentation in National Continuation of Medical Education & Workshop on ‘Partogram & its advancements – A maternofetal Life Saviour on 26th September 2015
- Dr. Manjiri Podder won 2nd Prize in poster presentation in National Continuation of Medical Education & Workshop on ‘Partogram & its advancements – A maternofetal Life Saviour on 26th September 2015
- Dr. Poonam Varma Shivkumar awarded All Children Thriving award by Grand Challenge India, 2015

• **Students**

- Dr. Anupriya Singh won the 1st prize in poster presentation in the conference of World congress on Dilemma of OBGY, 2012 on 30thNovember- 1st December, 2012
- Dr. Manjiri Ramteke (Podder) and Dr. Anu Namgyal won the 2nd Prize in the conference on Medical Safe Equipment, January, 2013

- Dr. Pravin Thakare won the 3rd best paper prize in Gynaecon-2013 organised by Nagpur OBGY Society on 20th October, 2013
- Dr. Manisha Rewatkar 3rd poster prize in National CME and workshop on “Current concepts and latest trends in caesarean section under theme on “Skill, will and drill” organized dept of OBGY and SWOGS on 28th March, 2014
- Dr. Manisha Rewatkar won 2nd prize in poster presentation on National CME on Update on Management of Gynecology Malignancies at MGIMS, Sevagram held on 19th -20th April, 2014
- Dr. Pravin Thakare won 2nd prize in Paper presentation on International CME and Conference on Women’s health- Fatal disorder- survival with Quality held on 5th -7th December, 2014
- Dr. Ketki Thool won 3rd prize in Poster presentation on International CME and Conference on Women’s health- Fatal disorder- survival with Quality held on 5th -7th December, 2014
- Dr. Prachi Chaudhary won 3rd Prize in poster presentation in National Continuation of Medical Education & Workshop on ‘Partogram & its advancements – A maternofetal Life Saviour on 26th September 2015
- Dr Ketki Thool, Dr Pravina Deshmukh and Dr Akanksha Suman were felicitated for poster presentation in conference of Masterclass Infertility II in November, 2015

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

YEAR 2011-2012

CME on Continece “Management of Stress Urinary Incontinence”	
Organizing Secretary	Dr. S.Chhabra Dr. Poonam Varma Shivkumar Dr. Surekha Tayade Dr. Shuchi Jain
Date	10/04/2011
No of Delegates	60
Key Person	Dr. Ajit Waze, Urogynecologist, Mumbai

CME/Workshop on Newer concept in Vaginal Hysterectomy Revisited	
Organizing Secretary	Dr. Poonam Varma Shivkumar Dr. Surekha Tayade
Date	23/07/2011
No of Delegates	52
Key Person	Dr. Shashikala Kola, Dr. Patnaik

Guest Lecture- Cardio-pulmonary Resuscitation	
Organizing Secretary	Department of OBGY & Sevagram-Wardha Obstetrics and Gynecological Society
Date	20/02/2012
No of Delegates	52
Key Person	Dr. Benhur Premandran, Department of Anaesthesiology

YEAR 2012-2013

Workshop on PCPNDT	
Organizing Secretary	Department of OBGY & Department of Radiology, MGIMS, Sevagram
Date	16/08/2012
No of Delegates	70
Key Person	Dr. Atul Tayade, Department of Radiology Dr. Poonam Varma Shivkumar, Department of OBGY Dr. Surekha Tayade, Department of OBGY

Workshop on Maternal Death Review	
Organizing Secretary	Civil Hospital, Wardha & Department of Obstetrics and Gynecology, MGIMS, Sevagram
Date	29/11/2012
No of Delegates	55
Key Person	Dr. Milind Sonwane, Civil Surgeon, Wardha Dr. B.S. Garg, Dean, MGIMS, Sevagram Dr. Poonam Varma Shivkumar, Department of OBGY Dr. Surekha Tayade, Department of OBGY

Workshop on RNTCP	
Organizing Secretary	Department of Obstetrics and Gynecology + Leprosy Foundation
Date	08/03/2013
No of Delegates	65
Key Person	Dr. Rajesh Deshmukh

YEAR 2013-2014

Workshop on “Computerizing recording of Pantograph”	
Organizing Secretary	Department of Obstetrics and Gynecology, MGIMS, Sevagram + JivDaya Foundation, Dallas, Texas, USA
Date	22/09/2013
No of Delegates	47
Key Person	Ms. Jennifer Lowe, Program Manager, JDF

Live Webcast Conference on “Laparoscopy Hysterectomy”	
Organizing Secretary	Department of Obstetrics and Gynecology, MGIMS, Sevagram
Date	01/12/2013
No of Delegates	76
Key Person	Dr. Rajesh Modi

Workshop on “PPH an Obstetric Emergency, Its Management and Clinical Skill Demonstration”	
Organizing Secretary	Department of Obstetrics and Gynecology, MGIMS, Sevagram& Civil Hospital, Wardha, IMA Hall, Wardha
Date	24/01/2014
No of Delegates	52
Key Person	Dr. Milind Sonwane

National CME and Workshop on “Current Concepts and latest trend in Caesarean Section”	
Organizing Secretary	Department of Obstetrics and Gynecology, MGIMS, Sevagram&Sevagram-Wardha Obstetrics and Gynecological Society
Date	28/03/2014
No of Delegates	100
Key Person	Dr. Pushpa Jungade, Dr. Kshama Kedar, Dr. Swaraj Naik, Dr. Shubhada Jajoo, Dr. Sangita Kumar, Dr. Hariharan, Dr. Ritu Dargan, Dr. Arpita Jaiswal, Dr. Deepti Shrivastava, Dr. Sangita Daf, Dr. S.Chhabra, Dr. Poonam Varma Shivkumar, Dr. Surekha Tayade, Dr. Shuchi Jain

YEAR 2014-2015

CME on “An Update On the Management of Gynecological Malignancies”	
Organizing Secretary	Dr. Poonam Varma Shivkumar, Dr. AmardeepTembhare, Department of Obstetrics and Gynecology, MGIMS, Sevagram
Date	19/04/2014-20/04/2014
No of Delegates	150
Key Person	Dr.S.Chhabra, Dr.Aruna Kumar, Dr. Santosh Kakade, Dr.S.K.Giri, Dr.Uma Devi, Dr.J.K.Sing, Dr.Rama Joshi, Dr. Hariharan, Dr. Prasad Lele, DrAnand Pathak, Dr.ShyamShrivastava, Dr. Yogendra Kulkarni, Dr. KishorTaori, Dr. SunitaGhike, Dr. Babu Joseph, Poonam Varma Shivkumar, DrSurekha Tayade, Dr. Shuchi Jain

Workshop for Undergraduates “Face to Face Communication skill”	
Organizing Secretary	Dr. Surekha Tayade, Department of Obstetrics and Gynecology, MGIMS, Sevagram
Date	13/07/2014
No of Delegates	50
Key Person	Dr.Surekha Tayade, Dr. Vivek Saoji, Dr. Sucheta Dandekar, Dr. Anshu

CME and workshop on “Safety First”	
Organizing Secretary	Dr. Poonam Varma Shivkumar, Department of Obstetrics and Gynecology, MGIMS, Sevagram
Date	27/07/2014
No of Delegates	100
Key Person	Dr. SuchitraPandit,Dr.S.Chhabra, Dr. ShilpiSood, , Dr. NasreenMawani, Dr. DainiNaik, Dr. VikramAlsi, Dr. ShubhadaJajoo, Dr. NirmalaVaze, Dr. Manish Srigiriwar, Dr. Poonam Varma Shivkumar, Dr. Surekha Tayade, Dr. Shuchi Jain

International CME & Conference on “Women’s Health- Fatal Disorder- Survival with Quality”	
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Organizing Secretary	Dr. Poonam Varma Shivkumar, Department of Obstetrics and Gynecology, MGIMS, Sevagram
Date	05/12/2014-06/12/2014-07/12/2014
No of Delegates	200
Key Person	Dr. Dwirani Amelia, Dr. IndicaKarunathilake, Dr. Nomita Chandhiok, Dr. P.C.Mahapatra, Dr. Sanjay Gupte, Dr. Pratima Mittal, Dr. SwarajNaik, Dr. Ritu Dargan, Dr. KShamaKedar, Dr. Hariharan, Dr. V.B.Bangal, Dr. Kishor Shah, Dr. Pradhnya Harshey, Dr. SangitaDaf, Dr. SandipJeste, Dr. VinayaAgnihotri, Dr. Minakshee Sauta, Dr. VishwaMohiniKhare, Dr. Rakhi Sukhdeve, Dr. Srujana Reddy, Dr. SangitaSood, Dr. Nasreen Mawani, Dr. Arpita Jaiswal

YEAR 2015-2016

CME & Workshop on “Partogram and its advancements- A maternofetal life savior – 3T’s – Teach- Train- Transfer”	
Organizing Secretary	Dr. Poonam Varma Shivkumar, Dr. Pramod Kumar, Ms. Jennifer Lowe, Department of Obstetrics and Gynecology, MGIMS, Sevagram, JivDaya Foundation, Dallas, Texas, USA
Date	26/09/2015
No of Delegates	130
Key Person	Dr. Aruna Kumar, Dr. V.Bangal, Dr. Gopal Krishna, Dr. Shubha Shrivastava, Dr. DeeptiShrivastava, Dr. Amita Pandey, Dr. Ratna Kumar, Dr. Hariharan, Dr. KarishmaThariyani, Dr. R.K.Deora, Dr. KshamaKedar, Dr. ShrinivasGaddapa, Dr. Yamini Trivedi, Dr. MaltiDalal, Dr. Sourish Deb Barma, Ms. Jennifer lowe, Dr. RituDargan

Regional CME and Workshop “Infertility- Recent Updates”	
Organizing Secretary	Dr. Poonam Varma Shivkumar, Dr. Shuchi Jain Department of Obstetrics and Gynecology, MGIMS, Sevagram and Sevagram-Wardha Obstetrics and Gynecological society
Date	31/01/2016

No of Delegates	100
Key Person	Dr.S.Chhabra, Dr. Taori, Dr. Chaitanya Shembekar, Dr. Gorakh Mandrupkar, Dr. Laxmi Shrikhande, Dr. P. Choksi.

Workshop on “Training Health Professional to Reduce Violence Against Women	
Organizing Secretary	Dr Judy Lewis, Dr. Poonam Varma Shivkumar, Dr. Surekha Tayade
Date	06/03/2016
No of Delegates	100
Key Person	Dr. S.Chhabra, Dr. Poonam Varma Shivkumar, Dr. Surekha Tayade

ANNEXURE VII: PRESENTATIONS

YEAR 2011-2012

1. Dr.Pradeep Borkar (Resident)
Paper presented- Needs into relooking in management of Eclampsia
Annual Conference GYNAECON- 2011, NOGS, Nagpur,
17th -18th December, 2011

YEAR 2012-13

1. Dr. Anupriya Singh (Resident)
Poster -Hypertensive disorder in Maternity care need of Critical care
Paper - Transition cell carcinoma ovary
GYNAECON, 2012
Nagpur Obstetrics & Gynecology Society, Nagpur 28th October, 2012
2. Dr. Imran Kutchi (Resident)
Paper – Hypertensive disorder in pregnancy
GYNAECON, 2012
Nagpur Obstetrics & Gynecology Society, Nagpur, 28th October, 2012
3. Dr. Manisha Rewatkar (Resident)
Breast Carcinoma role of Gynecology
Breast feeding modern perspective & changing Trends
AICOG, 2013 All India conference of Obstetrics & Gynecology, Mumbai
17th to 19th January, 2013
4. Dr. Manjiri Ramteke & Dr. Anu Namgyal
Poster – Understanding cardio tocography machine
Medical Equipment Safe
Dept of Anaesthesiology, MGIMS, Sevagram, 22nd January, 2013

5. Dr. AnuNamgyal (Resident)
Paper – Health Professional’s Women’s awareness of obstetric emergencies- Key to maternal survival
ISOPARB Conference, 2013, 22nd March-23rd March, 2013

YEAR 2013-14

1. Dr. PravinThakre (Resident)
Paper presented- Challenging cases of Fused Vulva
GYNAECON-2013
Organized by Nagpur OBGY Society (NOGS)
Nagpur. 20th October, 2013
2. Dr. Anupriya Singh (Resident)
Presentation – Diagnosis and Management of Pre-eclampsia
Postgraduate symposium on the occasion of World Health Day on Hypertension
Organized by Academy of Medical Sciences, MGIMS, Sevagram
10th April, 2013
3. Dr. Manisha Rewatkar (Resident)
Poster Presentation- Caesarean Births and take home babies- A sad story
National CME and workshop on “Current concepts and latest trends in caesarean section under theme on “Skill, will and drill”
Organized by Department of OBGY and Sevagram-Wardha Obstetrics & Gynecology society, Sevagram
28th March, 2014
4. Dr. Ritu Singh (Resident)
Poster Presentation- Once a caesarean not always a caesarean
National CME and workshop on “Current concepts and latest trends in caesarean section under theme on “Skill, will and drill”
Organized by Department of OBGY and Sevagram-Wardha Obstetrics & Gynecology society, Sevagram
28th March, 2014

YEAR 2014-15

1. **Singh R (Resident)**
Maternofetal outcome in Diabetic women (Paper presentation)
Conference on Hello Diabetes Academia
Diabetes care and Research Centre
Nagpur, 26th& 27th July, 2014.
2. **Sanap R (Resident)**
Co-existence of Pregnancy Complication with Diabetes Mellitus causing FGR

Conference on Hello Diabetes Academia
Diabetes care and Research Centre , Nagpur, 26th & 27th July, 2014

3. **Singh R (Resident)**
Evaluation of women with Infertility needs eagle's eye
National CME on Infertility
DattaMeghe oration and K.K. Deshmukh Conference
JNMC, SawangiMeghe, 22nd & 23rd August, 2014
4. **Singh R (Resident)**
Prediction of Delay in Carcinoma Cervix Diagnosis
AGOICON-2014 Patna, 12th to 14th December, 2014
5. **Singh R (Resident)**
Delay in seeking health care among women with carcinoma cervix (Paper presentation)
National CME on Update on Management of Gynecology Malignancies
Dept of Obstetrics & Gynecology & SWOGS, 19th & 20th April, 2014

YEAR 2015-16

5. **Suman Akanksha (Resident)**
Poster presentation- Biofilm formation among candida albicans isolated from Vagina
GYNAECON, 2015
Nagpur Obstetrics and Gynecological society in Association with Indian Association of Gynecological Endoscopist
Nagpur, 24th -25th October, 2015
6. **Thool Ketki (Resident)**
Hemolysin Activity of Candida Isolated from cases of Vulvovaginal Candidiasis
GYNAECON, 2015
Nagpur Obstetrics and Gynecological society in Association with Indian Association of Gynecological Endoscopist
Nagpur, 24th -25th October, 2015
7. **Chaudhari Prachi (Resident)**
Experience of Swine flu with Health Professional at MGIMS, Sevagram
GYNAECON, 2015
Nagpur Obstetrics and Gynecological society in Association with Indian Association of Gynecological Endoscopist
Nagpur, 24th -25th October, 2015
8. **Deshmukh Pravina (Resident)**
Poster Presentation- How to set up an IUI lab
Master Class Infertility-II
Lakshmi Shrikhande IVF and Surrogacy Centre

- Nagpur, 28th-29th November, 2015
9. **Thool Ketki (Resident)**
Endometrium and Anomulatory cycle in Infertility
Master Class Infertility-II
Lakshmi Shrikhande IVF and Surrogacy Centre
Nagpur, 28th-29th November, 2015
 10. **Suman Akanksha (Resident)**
Poster Presentation- Intrauterine Insemination – is it effective?
Master Class Infertility-II
Lakshmi Shrikhande IVF and Surrogacy Centre
Nagpur, 28th-29th November, 2015
 11. **Jinde Shweta (Resident)**
Poster Presentation- Role of Nurse counselate in Infertility Management
Master Class Infertility-II
Lakshmi Shrikhande IVF and Surrogacy Centre
Nagpur, 28th-29th November, 2015
 12. **Yadav Santosh (Resident)**
Paper Presentation- A Prospective study of women presenting with postpartum hemorrhage and Different modalities used for prevention of postpartum hemorrhage
30th Annual Conference AMOG, 2016
Association of Maharashtra Obstetrics and Gynecological Society
Ahmednagar, 12th -14th February, 2016
 13. **Suman Akanksha (Resident)**
Paper Presentation- Pattern of Abnormal uterine bleeding in case of Fibroid Uterus and their management
30th Annual Conference AMOG, 2016
Association of Maharashtra Obstetrics and Gynecological Society
Ahmednagar, 12th -14th February, 2016
 14. **Chaudhari Prachi (Resident)**
Paper Presentation- Prevalence and Clinicopathological profile of endometriosis in perimenopausal women
30th Annual Conference AMOG, 2016
Association of Maharashtra Obstetrics and Gynecological Society
Ahmednagar, 12th -14th February, 2016
 15. **Jinde Shweta (Postgraduate)**
Poster Presentation- Role of Nurse consulatate in Infertility Management
Regional CME & Workshop on Infertility- Recent Updates
Dept of Obstetrics & Gynecology & SWOGS,
Sevagram, 31st January, 2016

DEPARTMENT OF ORTHOPEDICS

1. Name of the Department - **ORTHOPEDECS**
2. Year of establishment - **1969**
3. Is the Department part of a college/Faculty of the university?- **Yes, our Department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram**
4. Names of programs offered (UG, PG, Pharm, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) – **MBBS, MS Orthopedics, Diploma Orthopedics, PhD. Orthopedics.**
5. Interdisciplinary programs and departments involved–**Clinicopathological meetings with Dept. of Pathology, every month-First Monday at 3 – 4 pm in departmental seminar hall.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.- **Nil**
7. Details of programs discontinued, if any, with reasons - **No**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System- **Annual**
9. Participation of the department in the courses offered by other departments- **Orthopedic teaching given to students every Saturday, appearing for Post graduate Diploma in Geriatric Medicine.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor/Reader	2	2	1
Assistant Professor	3	3	2
Lecturer			
Tutor / Clinical Instructor			
Senior Resident	3	3	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.K R Patond	MS Orthopedics	Director,Prof. And Dean	Orthopedics	35 years
Dr.C.M Badole	MS Orthopedics MD Comm. Medicine	Prof. & Head	Orthopedics	24 years
Dr.Pramod Jain	MS Orthopedics	Prof.	Orthopedics	16 years
Dr.Kiran Wandile	MS Orthopedics	Associate Prof	Orthopedics	16 years
Dr.Ulhas Dudhekar	MS Orthopedics	Asst.Prof	Orthopedics	1 year
Dr Gajanan Chintawar	MS Orthopedics	Asst.Prof	Orthopedics	2 months
Dr.Anil Godara	D.Ortho	Senior Resident	Orthopedics	1 year
Dr.Aashish Chavhan	MBBS	Senior Resident	Orthopedics	2 months
Dr.Gopal Verma	MBBS	Senior Resident	Orthopedics	2 months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors –
Dr. Prashant Parate (Arthroscopic Surgeon)
13. Percentage of classes taken by temporary faculty – program-wise information
–**No temporary faculty in Department.**
14. Program-wise Student Teacher Ratio –**M.B.B.S.-1:11 . M.S.-1:1**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual-

	Sanctioned	Filled	Actual (including CAS & MPS)
Technical Staff	4	4	4
Administrative Staff	1	1	1

16. Research thrust areas as recognized by major funding agencies - **Nil**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. - **Nil**
18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration - **Nil**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. - **Nil**
20. Research facility / center
 - state recognition
 - national recognition
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies – **NIL**

22. Publications: **See Annexure - IA**
 - Number of papers published in peer reviewed journals (national / international) - **20**
 - Monographs - **Nil**
 - Chapters in Books - **Nil**
 - Books edited - **Nil**
 - Books with ISBN with details of publishers - **Nil**
 - Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) - **Nil**
 - Citation Index – **Range –2 to 82 / Average - 36**
 - SNIP- **Nil**
 - SJR- **Nil**
 - Impact Factor – **Range – 0.3 to 6.92 / Average - 1.44356**
 - h-index- **7**
23. Details of patents and income generated - **NA**
24. Areas of consultancy and income generated - **Institute policy does not permit any financial incentive to be taken by faculty.**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad –
 - **Marwah S.** - Orthopedic aspects of prevention of Sports injury (Guest Lecture) Canadian College of Naturopathic Medicine, York

University, Toronto, 22 Aug 2011

- **Patond KR.** - Tibial osteotomies for osteoarthritis of knee Joint. Current Management of osteoarthritis of knee, Nagpur, 12 May 2013
 - **Patond KR.** - Managing complications in proximal tibial fractures VOS Symposium, Nagpur, 30 June 2013
 - **Patond KR.** - Why not Austin Moores prosthesis in neck femur fracture? Workshop on Hip Arthroplasty Lata Mangeshkar Medical College, Nagpur, 10 Aug 2014.
26. Faculty serving in
- a) National committees ---
 - b) International committees c) Editorial Boards d) any other (specify)
- Nil.**
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).
- a) Conferences –**Annexure IV A**
 - b) Courses –**Annexure IV B**
 - c) Workshops – **Annexure IV C**
 - d) Teachers Training programme-
 - 1) MEU WORKSHOPS - **Annexure IV D**
 - 2) Research Methodology Workshops -**Annexure IV E**
28. Student projects **Annexure VIII**
percentage of students who have taken up in-house projects including inter-departmental projects – 100 %
percentage of students doing projects in collaboration with other universities / industry / institute - Nil
29. Awards / recognitions received at the national and international level by -
Annexure V
Faculty
Doctoral / post-doctoral fellows
Students –
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
Annexure VI
31. Code of ethics for research followed by the departments- All projects are approved by Institutional ethics committee
32. Student profile program-wise:
33. Diversity of students **M.B.B.S.- Students are selected through PMT all over country.**

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MS Orthopedics	100 %	100%	-	-
Diploma Orthopedics	100%	100%	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. **Dr. Sangram Deshmukh (MS Orthopedics student) cleared Indian Revenue Services examination in 2012**

35. Student progression -Done through National entrance examination.

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil, DM / M Ch / DNB	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed Campus selection Other than campus recruitment	100%
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	84% (5/6)
from other universities within the State	16% (1/6)
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period - **Nil**

38. Present details of departmental infrastructural facilities with regard to

a) i) **Central Library –578Books, 6 Journals.**

ii) **Departmental library – 174 Books, 52 Journals.**

b) Internet facilities for staff and students – **Department has good connectivity of Wi-Fi and computers are being provided through HIS system.**

c) Total number of class rooms - 2

- 1) One Lecture hall (with capacity of 20)
- 2) One Demonstration room (with capacity of 15)
- 3) One Seminar room (with capacity of 30)
- d) Class rooms with ICT facility and ‘smart’ class rooms- **All Lecture Halls are wi-fi enabled and have LCD projection facility.**
- e) Students’ laboratories - 1
- f) Research laboratories - **Nil**

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university –

- 1. **Dr. Anil Godara (MS Orthopedics)**
- 2. **Dr. Aashish Chavhan (MS Orthopedics)**
- 3. **Dr. Gopal Verma (MS Orthopedics)**
- 4. **Dr. Ankur Kariya (MS Orthopedics)**
- 5. **Dr. Girish Mote (MS Orthopedics)**
- 6. **Dr. Ahmed Zabeeh (MS Orthopedics)**
- 7. **Dr. Rameshkumar (D.Ortho.)**
- 8. **Dr. Rohan Patil (D.Ortho.)**
- 9. **Dr. Prasad Bhandhari (PhD Orthopedics)**

b) From other institutions/universities -

40. Number of post graduate students getting financial assistance from the university. - Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. - Nil

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - **Feedback From Faculty is obtained through departmental meetings, curriculum committee meetings, college council.**

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - **At the end of the Unit/System taught by each teacher,**

➤ **Feedback is taken from the students in order to improvise and overcome limitations if any.**

➤ **Mentor-Mentee meetings.**

c. alumni and employers on the programs offered and how does the department utilize the feedback? - **Institute collects from alumni.**

43. List the distinguished alumni of the department (maximum 10)

Dr. SK Shrivastav (Head, Dept. Of Orthopedics, KEM Hospital, Mumbai)

Dr. C.M. Badole (HOD, MGIMS Sevagram)

Dr. Vinod Gautam (HOD Bhavnagar, Gujrat)

Dr. Ashok Kumar (HOD, Hissar medical college, Haryana)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- **MGIMS Academy of Medical Sciences . - Students and faculty regularly present research work in this academy.**
 - **Orthopedics Quiz- students regularly participate at state / National level quiz.**
 - **Intern's orientation programme- Interns are oriented for their internship after passing final MBBS exam.**
45. List the teaching methods adopted by the faculty for different programs including clinical teaching. –

FOR UGs

- **Lectures**
- **Small Group Teaching methods are employed for better understanding of students.**
- **Case based learning**
- **Discussions are introduced enabling the weaker and shy students to help them get rid of their inhibition and to come up in the fore front.**
- **Through Academy of basic medical Sciences we conduct seminars on different topics in Orthopedics.**

FOR PGs

- **Journal Club.**
- **X Ray presentations.**
- **PG Seminar.**
- **Short case presentations.**
- **Long case presentstions.**
- **PG theory class once a week.**
- **Guest lectures.**
- **Clinicopathologicalmeeting.**
- **Death Review meeting.**
- **Problem based Learning.**
- **Case Based Learning.**
- **Microteaching.**
- **Tutorials.**

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- **Evaluation of MBBS program is done through results in following exams: Part Completion Tests, ward leaving Examination , Terminal Exam &**

Preliminary Exam and University exams.

- **Feedback is collected from the students**
 - **Feedback is collected from the faculty**
 - **Discussion at curriculum committee meeting and college council regarding the same is conducted.**
 - **Guidelines from university are followed.**
47. Highlight the participation of students and faculty in extension activities.- NA
48. Give details of “beyond syllabus scholarly activities” of the department.
- **There is Student-Teacher (Mentee-Mentor) programme in which selected faculty are allotted small group of students for closer interaction and follow up.**
 - **Research presentation by our students outside MGIMS (like IOACON, MOACON, VASCON)**
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. Dept. Is recognised by MCI for post graduate and diploma courses, PHD courses under MUHS, Nashik
- MBBS Recognition Date– 22/04/1976**
PG ORTHO. Recognition Date–14/01/2009
PhD - 07-06-2012.
Date of last inspection of
MCI: - 15-07-2016
MUHS: - 02-03-2015
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Several Workshops on **Medical Education Technology (MET)** are regularly conducted in the institute in which faculty members of the Department participate and improve their teaching skills.
 - To breach the gap in knowledge in research areas, the faculty disseminates their research work in the form of **Publications** in various journals of national and international repute. (Annexure attached)
 - To generate newer concepts, the upgradation of knowledge of faculty members is kept at par by attending various conferences and workshops across the country. They also make **presentations** in those platforms in order

to accomplish the acknowledgement of their research which can then be applied in actual. (Annexure attached)

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. :

Strengths:

- [1] Availability of all necessary infrastructure for UG/PG training.
- [2] Committed staff
- [3] All variety of surgeries carried out like Trauma, Spine surgery, Athroplasty, Arthroscopy, Ilizarov fixator application .
- [4] Availability of advanced equipment.
- [5] Operation Theatre is Ultramodern with all facilities.

Weaknesses:

- [1] Orthopedics is major subject , though it is not separate for UGs. Training is challenging for undergraduates
- [2] If the space for department is available then further expansion would be possible.
- [3] In view of advancement in subject and scope ,difficult to retain junior faculty.
- [4] Research scope is limited for UG ,being minor subject.

Opportunities:

- [1] To induce and guide UGs and PGs to take initiatives and achieve mastery/confidence for presenting seminars, research papers in conferences
- [2] Take feed back of learning of students by direct interaction with them in small batches during guided self study hours (focussed group discussion) and peer teaching sessions besides the feedback obtained from regular written assignments and periodical tests
- [3] Horizontal and vertical integration of learning for early clinical exposure, coupling of facts in overlapping areas and consolidating the learned concepts.

Challenges

- [1] To help in coping up with the growing stress among medical students.

52. Future plans of the department. :

- 1) **Upgrading superspeciality in all branches of Orthopedics.**
- 2) **To enhance physiotherapy department.**
- 3) **PG education programme in department.**
- 4) **To hold national level conference at MGIMS.**

ANNEXURES FROM ORTHOPEDICS

ANNEXURE I A- PUBLICATIONS

1. Kumar A, Singh P, Badole CM. Unstable carpometacarpal dislocation of ulnar four finger- an easily overlooked injury, Kuwait Med J 2012; 44(4): 341-343
2. RS Lnage, KWandile, CM Badole. Rehabilitation of triplagic patient- a combined effort by orthopaedician and physio-occupational therapist. JMGIMS, September 2012, Vol 17, No (ii), 67-68
3. PJ Waghmare, KWandile, CM Badole. SEVA TB ELISA-Multi antigen and antibody assays for serodiagnosis of suspected cases of pulmonary and extra pulmonary tuberculosis in tertiary care hospital-A retrospective study. Asian Pacific Journal of Tropical disease, (2012) S827-S832.
4. Shailendrasingh Thakur , K.R. Patond, C. M. Badole, Pramod Jain, Kiran Wandile Management of Proximal Femur Giant Cell Tumor by Custom Mega Arthroplasty. The Journal of Maharashtra Orthopedics Association. 2013; 8(4):29-31
5. Kumar A, Jain P, Singh P, Badole CM. Citrobacter kasori spinal epidural abscess- A rare occurrence. J Indian Med Assoc Jan 2013; 3(1):67-68.
6. Thakur S, Patond KR, Jain P, Badole CM, Wandile K. Management of proximal femur giant cell tumor by custom mega prosthetic arthroplasty. J Maharashtra Orthop Assoc 2013; 8(4): 29-31
7. Thakur S, Wandile KN, Badole CM. Arthritis, A review. Journal of Rural Surgery, 2014; 10(1):1-8
8. Patond KR. Minimally invasive surgeries in orthopedics. Rural Surgery 2014; 9(4):12-14
9. Supe AC, Kawalkar AC, Badole CM, Wandile KN. Giant cell tumour of proximal fibula: A rare entity. Rural Surgery 2014; 9(4):6-8
10. Thakur S, Badole CM, Wandile K. Custom mega prosthetic reconstruction of juxta-articular giant cell tumors. J Orthop Allied Sci 2014; 2(1):8-11
11. Thakur S, Wandile KN, Badole CM. Arthritis: A review. J Rural Surgery 2014; 10(1):1-8
12. Thakur S, Badole CM, Wandile K. Limb salvage in proximal tibial synovial sarcoma. J MOA 2014; 9(2):2527
13. Kawalkar AC. A comprehensive review on Osteoporosis. Journal of Trauma & Orthopedics, 2014; 9(4):5-14
14. Thakur S, Badole CM, Wandile K. Fracture in marble bone disease: A rare entity in children. J MOA 2014; 9(3): 2728.
15. Waghmare P, Badole CM, Wandile Kiran. In house developed SEVA TB ELISA for ruling out tuberculosis in suspected cases of extra pulmonary

- TB, a 6 months retrospective study in a tertiary care hospital. Journal Biomedical Research April 2014;25(3):361-364
16. Supe AC, Badole CM, BabhulkarShyam, Wandile Kiran. Spinal synovial cyst Journal of MGIMS March 2015; Vol 20(1): 82841.
 17. SupeAC,BadoleCM,Wandile KN Dislocation of Thumb Carpo-Metacarpal Joint : Case report Journal of Trauma &Orthopaedic surgery. April-June 2015; 10 (2):13-14
 18. Thakur S, Badole CM, Wandile K. Custom prosthetic reconstruction of distal femoral giant cell tumor. Med J DY PatilUniv 2015; 8(1):7780
 19. Kawalkar AC, Badole CM, Phadke A. Midterm results of cementless total hip arthroplasty in young Orthop Allied Sci 2016;4:30-5
 20. Supe AC, Badole CM, Wandile KN, Patond KR. Minimally invasive percutaneous plate osteosynthesis in distal tibial fracture: A series of 32 cases International Journal of Orthopaedic Sciences 2016;(1):6-9

ANNEXURE IV A - CONFERENCES ATTENDED

1. Badole CM, Gawande V. VOS Nagpur Day to day Pediatric Orthopedics Workshop Nagpur, 9 Jan 2011
2. Badole CM, Kumar V, Kulkarni S. VOS Nagpur Bone tumours-how can I treat them easily? Nagpur, 30 Jan 2011 63 2011-2012
3. Marwah S. 7th International Symposium on Current concepts in knee and shoulder arthroscopic surgery and arthroplasty ISKSAA & Delhi Orthopedic Association Delhi, 17-19 Feb 2011
4. Kulkarni S. National Conference on Non-union treated by Ilizarov Akola, 26-27 Feb 2011
5. Kumar V. XXX NZIOACON 2011 Shimla, 1- 3 Apr 2011
6. Kulkarni S. XXV SICOT Congress 2011 Prague, 6-9 Sep 2011
7. Kulkarni S. National Ilizarov Conference Solapur, 30 Sept - 2 Oct 2011
8. Badole CM, Wandile K, Kumar V, Jain P, Samal N, Gawande V. VOSCON Nagpur, 8-9 Oct 2011
9. Wandile K, Gawande V. National Conference on Revision Arthroplasty Hyderabad, 10-12 Oct 2011
10. Patond KR International Conference on “Miracles and Progress of Neuropsychopharmacology in 21st century” MGIMS Sevagram, 9-10 Feb 2013
11. Patond KR 31st Annual Conference of Vidarbha Orthopedics Society, VOSCON 2012, Nagpur, 20-21 Feb 2013
12. Badole CM Symposium on Musculoskeletal tumours DMIMS Sawangi, 1 Apr 2012

13. Supe A, Kawalkar A CME on Spinal Surgery Pune, 14 Apr 2012
14. Badole CM, Kawalkar A CME by Vidarbha Orthopedic Society Nagpur, 1 Jul 2012 Badole CM CME on Cancer Pain and Management JNMC Sawangi, 29 Sep 2012
15. Patond KR. CME on Pain Management. Department of Anesthesia, MGIMS, Sevagram, 28 Jun 2013
16. Patond KR. Pre-Conference Workshop. (Faculty) VOSCON 2013 Nagpur, 10 Jan 2014
17. Patond KR. Injuries unique to the pediatrics population. Pediatric trauma workshop, Nagpur, 15 Sep 2013
18. Badole CM. CME on distal end radius fractures. Nagpur, 24 Nov 2013
19. Wandile K. CME on distal end radius fractures. Nagpur, 24 Nov 2013
20. Jain P, Wandile K, Kawalkar A, Deshmukh S, Landge S, Chaugle P. VOSCON 2013 Nagpur, 10 Jan 2014
21. Badole CM. VOSCON 2013 Nagpur, 12 Jan 2014 Badole CM, Jain P, Verma G. NAILSCON 2013, Nagpur, 24-26 Oct 2013
22. Jain P, Deshmukh S, Borle S. 58th Annual Conference of the Indian Orthopedic Association IOACON 2013, Agra, 6-8 Dec 2013
23. Thakur S, Kawalkar A, Jawade G, Chavhan A. CME on Distal End radius fracture, Nagpur, 24 Nov 2013
24. Wandile K, Phadke A, Deshmukh S. International conference of INDO German Orthopedic Foundation Revision Hip Arthroplasty, Indore, 2 - 3 Aug 2014
25. Jain P, Deshmukh S, Borle S, Verma G. MOACON, Akola, 7- 9 Nov 2014
26. chauhan A. Workshop on High Tibial Osteotomy, Amravati, 22 Feb 2015
27. Dr.Pramod Jain, VOSCON 2015 conference ,Nagpur . 31st Oct,- 2nd Nov 2015.
28. Dr.KiranWandile , VOSCON 2015 conference ,Nagpur . 31st Oct- 2nd Nov 2015
29. Dr. Gopal Verma VOSCON 2015 conference ,Nagpur . 31st Oct- 2nd Nov 2015.
30. Dr. AnkurKariya VOSCON 2015 conference ,Nagpur . 31st Oct- 2nd Nov 2015.
31. Dr. Avin Vyas. VOSCON 2015 conference ,Nagpure . 31st -2nd Nov 2015.
32. Dr. Ashish Chauhan. MOACON 2015 conference,Solapur. 22nd - 24th Nov 2015.
33. Dr. Gopal Verma. MOACON 2015 conference,Solapur. 22nd - 24th Nov 2015.
34. Dr.AkshayPhadke. MOACON 2015 conference,Solapur. 22nd - 24th Nov 2015.

35. Dr Kiran Wandile. IOCON 2015 conference,Jaipur.9-14 Dec 2015.
36. Dr. Anil Godra. IOCON 2015 conference,Jaipur.9-14 Dec 2015.
37. Dr. Gopal Verma. IOCON 2015 conference,Jaipur.9-14 Dec 2015.
38. Dr. AnkurKariya. IOCON 2015 conference,Jaipur.9-14 Dec 2015.
39. Dr. AniketKharat. IOCON 2015 conference,Jaipur.9-14 Dec 2015.

ANNEXURE IV B - COURSES ATTENDED

1. Jain P, Wandile K 8th Basic Course on Teaching Sawangi (Meghe), 27-29 Mar 2012
2. Yadav A, Supe A, Kumar A, Thakur S Post graduate teaching course Miraj, 28-30 Sep 2012 Borle S,
3. Deshmukh S Fracture fixation course Mumbai, 5-6 Oct 2012
4. Patond K, Jain P. Advances in Operative arthroplasty Pune, 12- 13 Nov 2013 Supe A. Basic Arthroplasty Workshop, TNMC & BYL Nair Charitable Hospital, Mumbai, 26-29 Sep 2013
5. Borle S, Landge S. Post graduate teaching course, Miraj, 16-17 Sep 2013
6. Landge S, Borle S ,Kawalkar A. 15th MAMC Post Graduate Instructional Course in Orthopedics, Delhi, 13- 16 Nov, 2013
7. Kawalkar A. HOME, Hyderabad, 22-24 Jan 2014
8. Phadke A. National Basic Principles Course Bhopal, 18-20 Sep 2014
9. Wankhede A, Verma G. PG Teaching course Miraj, 12-14 Sep 2014.
10. Phadke A, Deshmukh S, Chaugule P, Wankhede A. 5th Post Graduate Course of Orthopedics Bhopal, 7-8 Feb 2015
11. Badole CM, Godara A, Phadke A. Basic Knee Arthroplasty course Nagpur, Dec 2014
12. C.M.Badole,Dr.AmitSupe attended Shoulder Orthoscopy Course in Nagpur on 18/01/2015.
13. Dr.Akshay,Dr.Sangram,Dr.PrakashChougule,Dr.AmolWankhade attended 5th Post Graduate course of Orthopedics in Bhopal (GMC) on 7th& 8th Feb 2015
14. Dr.GaneshJawade,Dr.Anil,Dr.Ashish,Dr.Avin attended Focus Workshop on Lower Extremity course in Nagpur on 19th April 2015.
15. Dr.Ashish ,Dr.Avin attended Miraj PG Teaching Course in Miraj on 11th ,12th , 13th Sep 2015.
16. Dr.Gopal,Dr.Aniket,Dr.Avin attended MAMC PG Teaching Course in New Delhi on 14th ,15th ,16th ,17th Oct 2015.

ANNEXURE IV C-WORKSHOPS ATTENDED

1. All the faculty members of Orthopedics. Workshop on basic life support on 10-11 March 2012
2. Patond KR, Jain P, Borle S, Deshmukh S Workshop on Hip Arthroplasty NKP Salve Institute of Medical Sciences, Nagpur, 24 Feb 2013
3. Badole CM, Jain P, Borle S, Kawalkar A, Kumar A Focus shoulder elbow workshop Nagpur, 29 Jul 2012
4. Badole CM, Kumar V Workshop on total knee replacement Sawangi, 30 Sep 2012
5. Phadke A Sancheti Fracture fixation workshop Pune, 8 Aug 2012
6. Deshmukh S, Kariya A, Workshop on Distal Radius Fracture Amravati, 24 Aug 2014
7. Godara A, Phadke A. Cadaveric Arthroscopic National Workshop Mumbai, 22-24 Aug 2014
8. Badole CM, Godara A. Workshop on High Tibial Osteotomy. PDMC Amravati, 22 Feb 2015
9. Patond KR, Badole CM, Deshmukh S, Phadke A, Chauhan A. Workshop on Hip Arthroplasty, Nagpur 10 Aug 2014 85 2014-2015
10. Badole CM, Supe A, Godara A, Chauhan A. Shoulder Arthroscopy Course, Nagpur 18 Jan 2015

ANNEXURE IV D – BASIC COURSE WORKSHOPS IN MET

1. **Dr. K. R. Patond** - MGIMS Sevagram 19 – 21 March 2013.
2. **Dr.C.M. Badole** - Jawaharlal Nehru Medical college, Sawangi (M) Wardha; 09.10.12 to 11.10.12
3. **Dr. Pramod Jain-** Jawaharlal Nehru Medical college, Sawangi (M), Wardha 27-29th March- 2012
4. **Dr. Kiran Wandile** - Jawaharlal Nehru Medical college, Sawangi (M) Wardha

ANNEXURE IV E – RESEARCH METHODOLOGY WORKSHOP

1. **Dr. K. R. Patond** - Attended Research Methodology Workshop in MGIMS Sevagram Dated 16 – 21 Dec. 2013
2. **Dr. C.M. Badole** - Attended Research Methodology Workshop in MGIMS Sevagram Dated 16 – 21 Dec. 2013
3. **Dr. Pramod Jain-** Attended Research Methodology Workshop in MGIMS Sevagram Dated 16 – 21 Dec. 2013
4. **Dr. Kiran wandile** - Attended Research Methodology Workshop in MGIMS Sevagram Dated 10 – 15 Nov. 2014

ANNEXURE V– AWARDS/RECOGNITIONS

1. Dr Shreenath Kulkarni, Asst. Professor from Dept of Orthopedics, was honored with the Korean Sicot Award at the International Orthopedic World Congress held at Prague. 2011
2. Dr Manoj Kumar and Dr Anil Godara stood first and second respectively in D Ortho examination. 2012
3. Dr Shailendra Kumar Thakur stood second in Diploma in Orthopedics examination conducted by MUHS Nashik in Summer 2013
4. Dr Awadesh Kumar stood third in Diploma in Orthopedics examination conducted by MUHS Nashik in Summer 2013
5. Dr Akshay Phadke won gold medal for presenting paper “distal tibia nailing importance of fibular fixation in nailsconnagpur.
6. Dr Akshay Phadke won gold medal for presenting paper titanium versus stainless steel elastic nail in pediatric femoral fracture at igof 2013 at vishakhapattanam
7. Dr. Abhijeet Kawalkar won silver medal for presenting paper on biomechanics of distal tibia fracture at igof 2013 at vishakhapattanam.
8. Dr Shailendra Thakur, Dr Abhijit Kawalkar and DrAkshayPhadke won first prize at the Grand Orthopedics quiz at Hyderabad on 10 Feb 2014
9. DrAnkurKariya awarded second prize for his paper presentation on “ Extra corporeal radiotherapy in giant cell tumors “ at
10. VidarbhaOrthopaedic Society Conference , Nagpur, 31 Oct 2015

ANNEXURE VI – ACADEMIC ACTIVITIES ORGANISED

1. **Orthopedics Theme** : CME on Basic Trauma Care
Organizing Secretary :Dr CM Badole
Date : 10 -11 Mar 2012
No of delegates : 393
Key Topics : Basic trauma management of all systems, Basic life support, epidemiology of road traffic accidents, planning and setup of trauma, management at the site of accident, understanding polytrauma, ABC of polytrauma, Facial Trauma Understanding, Diagnosis and management of Chest trauma, Radiology in basic trauma care, primary management of lower extremity trauma, primary management of upper extremity trauma, neuropsychiatric aspects after trauma, pregnancy & trauma: a real challenge, pelvic injuries and associated complications, bladder and urethral injuries, emergency airway management and tracheostomy, ear and nose trauma, management of eye injuries, epidemiology, prevention & management of osteoporotic fractures, special problem of trauma in children, dilemma about abdominal trauma, basic management of head injury, basic management of spinal injuries, rehabilitation after skeletal trauma, medico-legal aspects of

trauma, Workshop on adult basic life support, Workshop on pediatric basic life support

Resource persons : Mr Shreenivas, Dr BS Garg, Dr S Chhabra, Dr R Narang, Dr Dilip Gupta, Dr Sunil Nikose, Dr Pradip Singh, Dr Nitin Bhola, Dr AK Shukla , Dr AT Kamble, Dr Atul Tayade, Dr Ajit Phadke, Dr Shyam Babhulkar, Dr Pramod Jain, Dr Debasish Barick, Dr Kiran Deshpande, Dr Rajesh Dulani, Dr Bharati Pandya, Dr PS Nagpure, Dr Deepika Garg, Dr WM Gadegone, Dr Viraj Shingade, DrUmanjali Damke, Dr Indrajit Khandekar, Dr Sandeep Shrivastav, Dr Manish Jain

2. **Theme** : CME on Tuberculosis

Organizing Secretary :Dr CM Badole

Date : 30 Sep 2012

No of delegates : 50

Key Topics : MDR Tuberculosis

Resource persons :DrMrs P Narang, Dr CM Badole, Dr PS Nagpure

ANNEXURE VII – PRESENTATIONS

1. Kulkarni S. Beginner's experience in tibial fractures. National Conference on non-union treated by Ilizarov, Akola, 26 – 27 Feb 2011
2. Kulkarni S. A comparative study of the internal fixation of inter-trochantric fractures using sliding hip screw with plate and proximal femoral nail XXV SICOT Congress 2011, Prague, 6-9 Sep 2011
3. Kulkarni S. A novel method to treat thromboangitis obliterans by Ilizarov ring fixator- a study of 30 cases. XXV SICOT Congress 2011, Prague, 6-9 Sep 2011
4. Kulkarni S. Treatment of infected non union tibia (rosen type 2) by indigenously developed antibiotic coated nail, antibiotic coated beads and ilizarov ring fixator a study of 200 cases. XXV SICOT Congress 2011, Prague, 6-9 Sep 2011
5. Kulkarni S. Intra-articular joint depressed calcaneum fractures treated by plating – a study of 30 cases by only lateral approach. XXV SICOT Congress 2011, Prague, 6-9 Sep 2011
6. Kulkarni S. Management of proximal third tibial fractures by interlocking nail and poller screw along with possible extended implications of poller screw. XXV SICOT Congress 2011, Prague, 6-9 Sep 2011
7. Kumar V. Treatment of proximal tibial fractures with MIPO XXX NZIOACON 2011, Simla, 1-3 Apr 2011

8. Marwah S Orthopedic aspects of prevention of Sports injury (Guest Lecture) Canadian College of Naturopathic Medicine, York University, Toronto, 22 Aug 2011
9. Badole CM. Beginner's experience with Ilizarov's ring fixator in rural hospital, Sevagram. ASSAMI & BR Congress on Ilizarov fixator Thessaloniki, Greece, 6-9 June 2012
10. Wandile K. Comparison between interlocking nailing and Ilizarov ring fixator in tibial shaft fractures ASSAMI & BR Congress on Ilizarov fixator Thessaloniki, Greece, 6-9 June 2012.
11. Jain P. Primary internal fixation in compound tibia fractures. IOACON 2012, Chennai, 13- 17 Nov 2012
12. Supe A. MIPPO in distal tibia fractures. IGOF 2012, Bhopal, 1-2 Sep 2012
13. Kawalkar A. Early results of THR in Arthritic hip condition at rural hospital, Sevagram. IGOF 2012, Bhopal, 1-2 Sep 2012.
14. Supe A. MIPPO in distal tibia fractures. Asia Pacific Orthopedic Association Annual Conference, Delhi, 3-6 Oct 2012
15. Supe A. MIPPO in distal tibia fractures. VOSCON 2012, Nagpur, 20-21 Oct 2012
16. Borle S. PFN in intertrochantric fractures. VOSCON 2012, Nagpur, 20-21 Oct 2012
17. Kawalkar A. Results of THR in arthritic hip condition at rural hospital. VOSCON 2012, Nagpur, 20-21 Oct 2012
18. Kawalkar A. Titanium elastic nail for pediatric femoral shaft fractures. WIROC 2012, Mumbai, 28-30 Dec 2012
19. Patond KR. Tibial osteotomies for osteoarthritis of knee Joint. Current Management of osteoarthritis of knee, Nagpur, 12 May 2013
20. Patond KR. Managing complications in proximal tibial fractures VOS Symposium, Nagpur, 30 June 2013
21. Kawalkar A. Biomechanics of distal tibia fractures. (Awarded Silver Medal) IGOF 2013, Vishakhapatnam, 26 - 28 Sep 2013 135 2013-2014 44th Annual Report
22. Phadke A. Titanium versus stainless steel elastic nails in pediatric femoral fractures. (Awarded Gold Medal) IGOF 2013, Vishakhapatnam, 26 - 28 Sep 2013
23. Landge S. Outcome of PFN in peritrochantric fractures. IGOF 2013, Vishakhapatnam, 26 - 28 Sep 2013
24. Kawalkar A. Distal tibia fractures with interlocking nails and MIPPO versus IM Nailing for distal tibia fractures SICOT Hyderabad, 16- 18 Oct 2013
25. Phadke A. Distal tibia nailing –importance of fibula fixation (Gold Medal) NAILSCON 2013, Nagpur, 24-26 Oct 2013

26. Deshmukh S. Elastic nail for paediatric femoral fractures. NAILSCON 2013, Nagpur, 24-26 Oct 2013
27. Supe A. Comparative study between Ilizarov and tibial nailing for closed tibial fractures. VOSCON 2013, Nagpur, 10- 12 Jan 2014
28. Thakur S. Custom megaprosthesis reconstruction of proximal femoral giant cell tumour. VOSCON 2013, Nagpur, 10- 12 Jan 2014
29. Kawalkar A. MIPPO vs IM Nailing for distal tibia fractures. IGOF 2014 Hyderabad, 8 -10 Feb 2014
30. Thakur S. Custom megaprosthesis reconstruction of juxtraarticular giant cell tumour. IGOF 2014 Hyderabad, 8 -10 Feb 2014
31. Phadke A. Mechanical complications of PFN. IGOF 2014 Hyderabad, 8 - 10 Feb 2014
32. Patond KR. Why not Austin Moores prosthesis in neck femur fracture? Workshop on Hip Arthroplasty LataMangeshkar Medical College, Nagpur, 10 Aug 2014.
33. Phadke A. Role of fibular fixation in distal tibia fracture IGOF 2014, Indore, 2-3 Aug 2014
34. Deshmukh S. Extracorporeal irradiation and reimplantation of bone graft in GCT. (Gold Medal) IGOF 2014, Indore, 2-3 Aug 2014
35. Jain P. Total hip replacement in protrusioacetabuli in a case localized tetanus. IOACON 2014 Hyderabad, 19-22 Nov 2014
36. WandileKiran. Role of fibular fixation in distal tibial fractures. Indian Orthopaedic Association Conference, Jaipur, 9-14 Dec 2015
37. WandileKiran. Mechanical Complications of PFN. Indian Orthopaedic Association Conference, Jaipur, 9-14 Dec 2015
38. Godara Anil. Titanium Elastic nails in Paediatric femoral fractures. Indian Orthopaedic Association Conference, Jaipur, 9-14 Dec 2015.
39. Chauhan Ashish. Volar Plating in distal radius fracture. Maharashtra Orthopaedic conference, Solapur, 22,23,24 Nov 2015.
40. Verma Gopal. Primary Hydatid Disease of iliac bone. Maharashtra Orthopaedic conference, Solapur, 22,23,24 Nov 2015.

ANNEXURE VIII – THESIS

1. Kawalkar A; Guide: Dr Badole CM. Outcome of total hip arthroplasty in arthritic hip conditions 2011
2. Borle S; Guide: Dr Jain P. Results of proximal femoral nail in intertrochantric fractures 2011
3. Phadke A; Guide: Dr Badole CM. Results of interlocking nail in distal tibia fractures 2012

4. Deshmukh S; Guide: Dr Jain P. Elastic titanium nail in management of pediatric femoral shaft fractures 2012
5. Verma G; Guide:DrPatond KR. Evaluation of intra-articular hyaluronic acid injection in primary osteoarthritis knee. 2013
6. Chavhan A; Guide: Dr Badole CM. Functional and radiological outcome in distal radius fractures treated with locking compression plates. 2013
7. kariya A;Guide:DrPatond KR. BMD in traumatic distal end radius fracture. 2014
8. Godara A; Guide: Dr Jain P. Vitamin D level and its relationship with bone mineral density among postmenopausal woman. 2014
9. Mote G; Guide: Dr Badole CM. Surgical Management (Open Reduction and Internal Fixation) of distal humerus fracture and its functional outcome. 2015
10. Zabeeh A; Guide:DrPatond KR. Epidural Steroid in management of chronic low back pain. 2015

DEPARTMENT OF RADIOLOGY

1. Name of the Department : **Radiology**
2. Year of establishment : **1971**
3. Is the Department part of a college/Faculty of the university?
Yes. Our Department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram.
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)
**MD – Radiodiagnosis
Diploma in Medical Radiodiagnosis.**
5. Interdisciplinary programs and departments involved –
- **Post graduate students from department of Anatomy and department of Forensic Medicine are posted in our department for 15 days.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. - **Nil**
7. Details of programs discontinued, if any, with reasons – **Nil**
8. Examination System: **Annual/Semester/Trimester/Choice Based Credit System**
- **Annual as per MUHS Guidelines. (At the end of Course)**
9. Participation of the department in the courses offered by other departments.
- **Nil**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	2
Associate Professor/Reader	02	01	0
Assistant Professor /lecturer	02	02	2
Tutor / Clinical Instructor	1	02	2
Senior Resident	03	01	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. A. T. Tayade	MD (Radiodiagnosis)	Professor & HOD	Radiodiagnosis	26 Yrs
Dr. S. K. Kale	MD (Radiodiagnosis).	Professor	Radiodiagnosis	19 Yrs
Dr. Saurabh Patil	MD (Radiodiagnosis).	Assistant Professor	Radiodiagnosis	1 Yrs 2m
Dr. Atul Dhok	MD (Radiodiagnosis).	Assistant Professor	Radiodiagnosis	20 days
Dr. Kriti Handa	MD (Radiodiagnosis).	Senior Resident	Radiodiagnosis	3 Months
Dr. Praful Ashtankar	DMRD (Radiodiagnosis).	Tutor	Radiodiagnosis	10 months
Dr Vineet Kumar Singh	DMRD (Radiodiagnosis).	Tutor	Radiodiagnosis	1 month

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: - **Nil**.
13. Percentage of classes taken by temporary faculty – program-wise information
No temporary faculty in MGIMS.
14. Program-wise Student Teacher Ratio
Undergraduate program: 3 : 100
Post Graduate Programme: 1: 2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual-

	Sanctioned	Filled	Actual (including CAS & MPS)
MRI Technician	01	02	2
CT Technician	01	02	2
X-Ray Technician	10	11	11
Dark Room Assistant	03	01	1
X-Ray Assistant	01	01	1
Clerk	01	02	1
Attendent	02	06	6

16. Research thrust areas as recognized by major funding agencies- **Nil**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. – **Nil**

18. Inter-institutional collaborative projects and associated grants received
 - ❖ National collaboration- **Nil**
 - b) International collaboration - **Nil**
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received : **Nil**.
20. Research facility / centre with :- **Nil**
21. Special research laboratories sponsored by / created by industry or corporate bodies – **Nil**
22. Publications: -
 - * **Number of papers published in peer reviewed journals (national / international)**
 - * Monographs - **Nil**
 - * Chapters in Books - **Nil**
 - * Books edited - **Nil**
 - * Books with ISBN with details of publishers- **Nil**
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) - **Nil**
 - * Citation Index – range / average - **5**
 - * SNIP -
 - * SJR -
 - * Impact Factor – range / average -
 - * h-index - 1
23. Details of patents and income generated: - **Nil**.
24. Areas of consultancy and income generated – Institute policy does not permit the financial assistance for faculty.
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad – **Nil**
26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other (specify) -
 - **Prof. Atul T. Tayade – Professor and Head**
 - Member of Board of study (PG) Surgery and allied sciences.
 - Member of 31(5) committee of PG Examination.
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).
28. Student projects :-

29. Awards / recognitions received at the national and international level by

- Faculty :- Nil
- Doctoral / post doctoral fellows :- Nil
- Students :-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any – Nil.

31. Code of ethics for research followed by the departments - **After approval from ethical committee & permission of Institutional.**

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG program					
(1 MBBS) 2015	12871	46%	54%	No separate evaluation in undergraduate curriculum.	
(1 MBBS) 2014	15555	48%	52%		
(1 MBBS) 2013	8119	53%	47%		
(1 MBBS) 2012	16003	52%	48%		
(1 MBBS) 2011	12518	51%	49%		
PG program					
2015	247	50%	50 %	50%	50 %
2014	265	25%	75 %	25%	75 %
2013	191	75%	25%	50%	50 %
2012	149	25%	75 %	25%	75 %
2011	205	25%	75 %	25%	75 %

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG program	NA	NA	NA	NA
PG program	100%	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS,

IELTS and other competitive examinations? Give details category-wise - Nil
Source from which to get the data is not known

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil, DM / M Ch / DNB	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	NA
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	NA

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	100 %
from universities from other States	Nil
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

Library		Central (Books available Radiodiagnosis)	Departmental
1	Number of Books	425	212
2	Number of Journals	115 (44 Indian, 71 Foreign Journal)	146
	Latest journals available upto	May 2016	Apr 2016

b) Internet facilities for staff and students :

Available (Wi Fi facility is available in Campus and in department)

c) Total number of class rooms : Two.

- One for 100 students in Psychiatry hall and the other in Department for 20 students.

- One demonstration hall is available in the department.

d) Class rooms with ICT facility and 'smart' class rooms

- **Class room are available with features of wifi & LCD projector.**
 - e) Students' laboratories : Nil
 - f) Research laboratories : **Central Research is used for Dept. Research purpose.**
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university - **Nil**
 - b) from other institutions/universities - **Nil**
40. Number of post graduate students getting financial assistance from the university-**Nil**
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology –
This exercise is undertaken at level of MUHS. The staff members who are on the BOS represent our feedback to university.
42. Does the department obtain feedback from
- 56. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes, the department collects feedback on curriculum through course feedback proforma, also collects separate feedback on faculty performance and program.
 - 57. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes, Students also gives feedback on curriculum program, library and teacher performance. The outcome is analyzed and actions initiated.
 - 58. Alumni and employers on the programs offered and how does the department utilize the feedback?
Alumni give feedback on curriculum, teaching learning evaluation during their visit in alumni meet.
43. List the distinguished alumni of the department (maximum 10)
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
- a. **Common academic program is organized by Department of Radiology two times in the year where super specialty wing take active part and present focused special lecture.**
 - b. **Seminars, journal clubs and subject review sessions are conducted six times every week from Monday to Friday for one hour between 8:30**

AM and 09:30 AM. The post graduate students present previously allotted topics under the guidance of faculty.

- c. Every Saturday the faculty takes a lecture for one hour between 08:00AM and 09:00 AM on the topics of interest in their specialty.**
- d. Periodically and in preparation for university exam special classes are conducted for both UGs and PGs on examination oriented topics like radiology, procedures and instruments, pathology etc**

- 45. List the teaching methods adopted by the faculty for different programs including clinical teaching.**

Undergraduate teaching :-

- a. Didactic lectures, semester wise, in Ideal learning environment with LCD projector sound system etc by the senior faculty**
- b. All such class room lectures are made available for the students in the form of power point presentations for revision and to reinforce learning.**
- c. Diagrams, graphics, and animations form part of didactic lectures to make the learning pleasurable and easy.**

Post graduate teaching: -

- Students are encouraged to find the knowledge source and learn from such sources, to teach them the principle of lifelong learning.**
 - Group discussions, seminars, subject reviews are conducted regularly under the guidance of senior faculty and pedagogy skills are encouraged.**
 - Work based, skill based and competency based learning is facilitated by the faculty.**
 - Students are encouraged to work and learn in a multidisciplinary environment so that they learn to work in a collaborative environment when they start practicing after passing out.**
- 46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**
- a. Each faculty in the department assesses the learning needs of each student individually and suitably modifies instruction to suit the needs of individual student.**
 - b. positive feedback is given to each student in the small group teaching like clinics depending on the formative assessment and summative assessment.**
 - c. formative assessment is carried out during each class, whether it is classroom or clinical environment and students with special learning**

- needs are given additional instruction or modify the teaching methods to suit their learning capacities.
- d. Discussion at curriculum committee meeting and college council regarding the same is conducted.
 - e. Guidelines from university are followed.
47. Highlight the participation of students and faculty in extension activities -
Both UG and PG students encouraged to participate in the extension activities like medical camps, disaster relief etc.
 48. Give details of “beyond syllabus scholarly activities” of the department -
Both UG and PG students are encouraged to participate in beyond syllabus scholarly activities in various group discussions in conferences and poster presentations etc
 49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. – Yes,
Date of last inspection :-
MCI :- 05-02-2016
MUHS :- 02-03-2015
 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
The department strives to contribute to new knowledge by:
 - **Encourage the PGs to undertake research activity in choosing the topics for their dissertation**
 - **the faculty undertake clinical research and publish papers in various scientific journals**
 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
Major strengths:
 - a. **Dedicated senior and experienced faculty**
 - b. **committed students keen on learning**
 - c. **access to reservoir of knowledge through well equipped library.**
 - d. **state of the art class rooms to provide ideal learning environment.**

Major weaknesses:

 - a. **staff crunch.**
 - b. **limited volume of clinical material**
 - c. **No adequate space.**
 52. Future plans of the department.
 - a. **To upgrade CR.**

- b. **To upgrade 8 slice CT to 128 slice CT.**
- c. **To upgrade 1.5 T to 3 T MRI.**
- d. **To start intervention Radiology.**

ANNEXURES FROM RADIOLOGY

ANNEXURE I A – Publication

1. **K. Handa, A Tayade, S. Kale, A Phadke :-** Evaluation of uterine fibroids as cause of AUB by pelvic ultrasound. Internation Journal of Biomedical and Advance Research March 2016, Pages 107-112.
2. **SK Kale, V Gupta, R Garg :-** Appendicular Mucocele :- High Frequency Sonography Imaging , A case report and short review of literature , International Journal of Biomedical Research 2015 May, Pages 443-445.
3. **A Gulhane, SK Kale :-** Disseminated Spinal cysticercosis, A Rare Intramedullary Ring Enhancing Lesion, Journal of Case Report 2015 February Pages 338-442.
4. **Priya Kale, A. Dhawas, S. Kale, A. Tayade, S. Thakre :-** . Congenital Kyphosis in Thoracic Spine Secondary to Absence of Two Thoracic Vertebral Bodies. Journal of Clinical and Diagnostic Research. 2015 Jan, Vol-9(1): TD03-TD04.
5. **Surekha Tayade, Atul Tayade, Poonam V Shivkumar and Priya Kale, Interstitial Pregnancy :-** A Clinico-Sonographic Diagnostic Dilemma, International Journal of Biomedical And Advance Research, 2014 December, Pages 650-652.
6. **Sushilkumar Kale and Vinit Gupta, Imaging of multicystic encephalomalacia of infancy (MICE) :-** A case report. International Journal of Biomedical And Advance Research, 2014 November, Pages 566-568
7. **Sushilkumar Kale and Vinit Gupta, Imaging of multicystic encephalomalacia of infancy (MICE) :-** A case report. International Journal of Biomedical And Advance Research, 2014 November, Pages 566-568
8. **Vinit Gupta , SK Kale, Atul Tayade and Rammy Garg: Midgut clockwise whirlpool :-** A case report and review of Gray scale and color Doppler ultrasonographic findings , International Journal of Biomedical And Advance Research, 2014 October, Pages 532-533

9. **V Gupta , A Tayade, S Kale :-** Intramuscular Hydatid cyst of adductor Magnus, A Rare Isolated Presentation, Nepalese Journal of Radiology Research 2013 Jan, Pages 71-76.
10. **S Kar, A Krishnan, N Gangane, S Jain, B Mehra, S Kale :-** Multiple giant nerve abscesses presenting like lipoma in a treated patient of Hansen's disease, International Journal of dermatology Research 2012 July, Pages 835-837.
11. **S Tayade , M Badge, PV Shivkumar, N Badge, A Tayade :-** Primary Fallopiian Tube Cancer : A Case Report of Short Literature Review, International Journal of Biomedical Research 2012 February, Pages 116-119.
12. **AT Tayade, SK, Kale, A Pandey, S Kalantri :-** Hirayama disease, Journal of neurosciences in rural practice Research 2010 Jan, Pages 46.
13. **AT Tayade, V Gupta, R Garg :-** CT Perfusion in the settings of Cerebral Ischemia as Answer to Diffusion at Eleventh Hour, Association Colombiana DE, 140
14. **A Tayade, V Gupta , S Kale :-** Alara in pediatric CT – Image gently.

ANNEXURE IV C - WORKSHOPS ATTENDED

Name of Faculty : Dr. Atul T Tayade

Name of conference/ CME	Date	Venue
CME on basic trauma care	10-11th March 2012	MGIMS,Sevagram
CME On Updates In Sinus Infections	31st March 2012	MGIMS,Sevagram
CME on conventional radiology : forgotten art in modern science	8 th July 2012	Nagpur
CME on updates in ultrasound	28 TH Oct 2012	LMC, Nagpur
CME On Updates In Color Doppler	2 nd Dec 2012	JNMC Sawangi
MR UPDATE 2012	14-17th December 2012	Mumbai
WORKSHOP : Obstetrics doppler in pregnancy.	March 2013	Nagpur
REC on chest radiography	23 June 2013	DDHS office,Nagpur

CME on chest radiology	28 June 2013	JNMC,Sawangi
37th State Conference of Maharashtra Chapter of IRIA.	13-14 Sept 2014	Nagpur
Workshop on Hepatobiliary system	November 2014	Sawangi
Conference on Womens Health-Fatal Disorders-Survival with Quality	December 2014	MGIMS, Sevagram
Advance course workshop in medical education Technology.	28 January – 1st February 2015	Sawangi
Workshop on Capacity Building for Planning and Conducting Systemic reviews and meta analysis	24 th -26 th August 2015	Sevagram
REC on skeletal trauma	4 TH Aug, 2015	GMC, Nagpur
National CME and workshop on “Patrogram and its Advancement”	26 th Sept. 2015.	Sevagram
CT fest 2015	11-13 Dec, 2015	Le-Meridean, Nagpur.
REC on musculoskeletal and neuroradiology	20 Dec, 2015	GMC, Nagpur

- **Name of Faculty : Dr. Sushilkumar K Kale**

Name of conference/ CME	Date	Venue
63 rd IRIA Annual conference hosted by Delhi chapter of IRIA	27th to 31th Jan 2011	New Delhi
CME On Musculoskeletal Imaging	25th December 2011	JNMC, Sawangi
CME on basic trauma care	10-11th March 2012	MGIMS,Sevagram
CME On Updates In Sinus Infections	31ST March 2012	MGIMS,Sevagram
CME On Updates In Color Doppler	2 nd Dec 2012	JNMC Sawangi
CME on chest radiology	23 June 2013	JNMC Sawangi
37th State Confererce of Maharashtra Chapter of	13-14 September 2014	Nagpur

IRIA at Nagpur		
Workshop on Hepatobiliary system	November 2014	Sawangi
68 th National conference of IRIA.	29 January – 1 st February 2015	Kochi
CT fest 2015	11-13 Dec, 2015	Le-Meridean, Nagpur

ANNEXURE V : AWARDS

- (i) Ms. Dipika Bele, Ms Pooja Jadhav and Mr. Apurv Gupta (Final MBBS) stood runner up in Dr. Vivek Diwekar Memorial State level intercollegiate undergraduate radiological quiz , at Nagpur in August 2012.
- (ii) Dr.Prajakta Ingley (Third year resident) and Dr.Abha Verma (Second year resident) stood second and third in the Poster competition in CME on ‘A Review Of Clinical Anatomy Of Kidney In Context Of Present Day Needs’ on 24th January 2013 .
- (iii) Dr.Apurva Gupta, Dr.P. Kirthi Kundana, Anu Kewlani (Final MBBS) stood runner up in Dr. Vivek Diwekar Memorial State level intercollegiate undergraduate radiological quiz , at Nagpur in August 2013.
- (iv) Dr.Amita Dhawas (Second year resident) stood first in the quiz competition in REC on chest radiography at Nagpur on 25th August 2013.
- (v) Dr.Abha Varma (Third year resident) ,Dr.Amita Dhawas(Second year resident) and Dr.Atul Dhok (First year resident) stood first in quiz competition in CME on chest radiography at JNMC Sawangi on 15th September, 2013.
- (vi) Dr. Anu Kewlani, Dr Sakshi Daga and Ms. Afreen Bari (Final MBBS) stood runner up in Dr. Vivek Diwekar Memorial State level intercollegiate undergraduate radiological quiz, at Nagpur in August 2014.
- (vii) Dr. Avanti Gulhane (Third year resident) stood first in quiz competition in IRIA 37th State Conference of Maharashtra Chapter of IRIA at Radisson Blu, Nagpur on 13 September 2014.
- (viii) Dr. Namrata (First Year resident) stood second in poster competition in International CME and Conference " Womens Health- Fatal Disorders- Survival with Quality", held at MGIMS Sevagram, Dec 2014.

- (ix) Dr. Namrata (Second Year resident) stood second in poster competition in National CME and workshop on “Patrogram and its Advancement” held at MGIMS Sevagram, September 2015.
- (x) Dr. Khusboo Verma, Shyam Meda, Rajat Sharma (Final MBBS) stood third in Dr. Vivek Diwekar Memorial State level intercollegiate undergraduate radiological quiz, at Nagpur in September , 2015

ANNEXURE VIII: MD THESES

- **Aglawe S; Guide Dr Tayade A**
Evaluation of intracranial tumours by computed tomography with histopathological correlation
- **Ingley P; Guide: Dr Kale SK**
The role of high resolution B scale and color doppler ultrasonography in evaluation of cervical lymphadenopathy.
- **Kale P; Guide Dr Kale SK**
Ultrasonographic evaluation of right iliac fossa masses
- **Malhotra A; Guide: Dr Tyade A**
Evaluation of adnexal masses by Grayscale and Color Doppler ultrasonography with histopathological correlation
- **Kale P; Guide Dr Kale SK**
Ultrasonographic evaluation of right iliac fossa masses
- **Malhotra A; Guide: Dr Tayade A**
Evaluation of adnexal masses by Grayscale and Color Doppler ultrasonography with histopathological correlation
- **Lalthanpuii R; Guide: Dr Kale SK**
Ultrasonographic evaluation of first trimester bleeding per vaginum)
- **Dhawas A; Guide: Dr Kale SK**
MR evaluation of lumbar spine in low backache
- **Gulhane A; Guide: Dr Tayade A**
Carotid intima-media thickness as a risk factor for ischemic stroke - A hospital based case control study
- **Handa K; Guide: Dr Tayade A**
Evaluation of abnormal uterine bleeding in perimenopausal women by pelvic ultrasound – a study in rural setting
- **Dhok A; Guide: Dr Kale SK**
Role of B mode and color Doppler ultrasound in evaluation of various intraorbital pathologies.

DEPARTMENT OF RADIOTHERAPY

1. **Name of the Department** –Radiotherapy / Radiation Oncology
2. **Year of establishment** –1995
3. **Is the Department part of a college/Faculty of the university?-**
Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram and affiliated by Maharashtra University of Medical Sciences (MUHS)
4. **Names of programs offered** (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) –
Our department offers the MD Radiotherapy course of 3 years duration.
5. **Interdisciplinary programs and departments involved-**
Our department is involved in oncology training of the students of Surgery, ENT and Gynecology. We also train the nursing staff.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.-**
Training Provided to External MD Candidates by organizing ICRO teaching course in collaboration with AROI
7. **Details of programs discontinued, if any, with reasons –**
Not applicable
8. **Examination System:** (Annual/ Semester/Trimester/Choice Based Credit System)
We conduct internal Annual assessment examinations. The final MD university examination is held after completion of 3 years training of MD student.
9. **Participation of the department in the courses offered by other departments –**
Presently no participation with other department

10. **Number of teaching posts sanctioned, filled and actual**
(Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor/Reader	1	1	1
Assistant Professor	2	2	2
Lecturer	-	-	-
Tutor / Clinical Instructor	-	-	-
Senior Resident	3	3	3

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S.No	Name	Qualification	Designation	Specialization	Years of experience
1.	Dr. Virendra J. Vyas	M.D. (Radiotherapy)	Professor & Head	Radiotherapy	
2.	Dr. Manish Gupta	DNB, DMRT, DCH (Radiotherapy)	Associate Professor	Radiotherapy	
3.	Dr. Yashwant Pawar	DMRT-2009 DNB-2011 (Radiotherapy)	Assistant Professor	Radiotherapy	
4	Dr. Manjula MV	DMRT-2009 DNB-2011	Sr. Resident	Radiotherapy	
5	Dr. Chandani Hotwani	MD	Sr. Resident		
6	Dr. Ashok Singh	MBBS, 3 years in Radiotherapy	Sr Resident		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors – NIL

13. Percentage of classes taken by temporary faculty – program-wise information –there is no temporary faculty

14. Program-wise Student Teacher Ratio – PG= 1:1

15. Number of academic support staff (technical) and administrative staff:

Sr. No.	Name	Designation	Sanctioned	Filled	Actual
1	Mr Gajendran	Medical Physicist & RSO			
2	Mrs Sathana	Medical Physicist			
3	Mrs Bharti Mahindrakar	Biophysicist			
4	Mr. Girish Mahakalkar	Radiotherapy Technologist			

5	Mrs Madhuri Chirkute	Radiotherapy Technologist			
6	Mr Vinod Hatekar	Radiotherapy Technologist			
7	Mr Zatin Mathi	Radiotherapy Technologist			
8	Mrs. Vaishali Kadu	Staff Nurse			
9	Mr. Sameer	Clerk			
10	Mrs. Sangeeta	Social worker			
11	Mr. Rajesh Sende	Attendant			
12	Mr Sameer Brahamane	Office clerk			

16. **Research thrust areas as recognized by major funding agencies –**
NIL
17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received.** Give the names of the funding agencies, project title and grants received project-wise.
NIL
18. **Inter-institutional collaborative projects and associated grants received**
❖ National collaboration b) International collaboration
NIL
19. **Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.;** total grants received.
Cancer Registry of wardha district under the department of Pathology funded by ICMR
20. **Research facility / centre with**
- state recognition: faculty are Recognized by MUHS, Nasik
 - national recognition : NIL
 - international recognition : NIL
21. Special research laboratories sponsored by / created by industry or corporate bodies:
No special research Laboratory at Department level.
22. Publications:
* Number of papers published in peer reviewed journals (national /

international) – **04 No.** (Annexure IA)

- * Monographs- **NIL**
- * Chapters in Books- **NIL**
- * Books edited - **NIL**
- * Books with ISBN with details of publishers – **NIL**
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Citation Index – range / average : **0**
- * SNIP
- * SJR
- * Impact Factor – range / average
- * h-index : **0**

23. Details of patents and income generated –
NIL

24. Areas of consultancy and income generated –
Does not permit any financial incentives to be taken for consultancy

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad –

Dr VJ Vyas

- Fellowship from AROI to visit Memorial Medical Centre Long Beach, USA) from 12 Sep to 16 Oct 2012
- Pain management with radiotherapy. (*Guest lecture*) JNMC, Sawangi, 28 Aug 2012
- Chemotherapy on head and neck cancer. (*Guest lecture*) Comprehensive Cancer Care Course, Indore, 26 Dec 2012
- Panel discussion on low cost cancer management (*Moderator*) Comprehensive Cancer Care Course, Indore, 26 Dec 2012
- Choriocarcinoma. (*Panelist*) Update on management of gynecological malignancies. MGIMS, Sevagram, 19-20 Apr 2014

26. Faculty serving in

b) National committees b) International committees c) Editorial Boards d) any other (specify) –

- | | |
|-------------|---|
| Dr Virendra | • President Maharashtra Chapter AROI (2015-16) |
| J. Vyas | • President Academy of medical sciences, MGIMS, Sevagram. |

- 27. Faculty recharging strategies** (Refresher / orientation programs, workshops, training programs and similar programs). –
- g) conferences (ANNEXURE IVA)
 - h) courses (ANNEXURE IV B)
 - i) Workshops (ANNEXURE IV C)
 - j) Teachers training Programmes:
 1. MEU WORKSHOPS attended (ANNEXURE IV D)
 2. Research Methodology workshops ((ANNEXURE IV E)

28. Student projects

- percentage of students who have taken up in-house projects including inter-departmental projects – One student
 - **In house projects: 100% Post graduates:**
 - Dr Ashok Singh: Thesis under Dr V. J. Vyas
 - Dr Deepika Mallik: Thesis under Dr V. J. Vyas
 - Dr Manoj Birajdar : Thesis under Dr V. J. Vyas
- percentage of students doing projects in collaboration with other universities / industry / institute - **NIL**

29. Awards / recognitions received at the national and international level by

- Faculty
 - Dr VJ Vyas received Fellowship from AROI to visit Memorial Medical Centre Long Beach, USA) from 12 Sep to 16 Oct 2012
 - Doctoral / post doctoral fellows : **NIL**
 - Students : **NIL**
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.-**
- ICRO Teaching course organized in collebration with national AROI boby in October 2015. Total 60 Participants from all India level with 15 National faculties of Radiotherapy. All Funding arranged by AROI body.

31. Code of ethics for research followed by the departments –

All projects are submitted to the Institutional Ethics Committee and approved by the same.

32. Student profile program-wise: NA

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES (I MBBS) 2015	12871	46%	54%	Not applicable	
(I MBBS) 2014	15555	48%	52%		

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES	12871	46%	54%	Not applicable	
(I MBBS) 2015					
(I MBBS) 2013	8119	53%	47%		
(I MBBS) 2012	16003	52%	48%		
(I MBBS) 2011	12518	51%	49%		
POSTGRADUATES					
2015	247				
2014	265				
2013	191				
2012	149	---		---	
2011	205	----		---	

33. Diversity of students:

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Radiotherapy	100	0	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. – **Not Applicable**

35. Student progression - **Not Applicable**

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	

Student progression	Percentage against enrolled
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	1/6 (17%)
from other universities within the State	1/6 (17%)
from universities from other States	4/6 (66%)
from universities outside the country	0/6 (0%)

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period - **NIL**

38. Present details of departmental infrastructural facilities with regard to

- a) Library – **Separate departmental library with 150 Books.**
- b) Internet facilities for staff and students – **Department has good connectivity of Wi-Fi and computers are being provided with this facility through HIS system**

c) Total number of class rooms :
1 Seminar / Lecture hall with capacity of sitting 25 persons at a time

a) d) Class rooms with ICT facility and ‘smart’ class rooms - Lecture halls is **wifi enabled and have LCD projection facility.**

e) Students’ laboratories – **use the central lab.**

f) Research laboratories – **use the concerned lab for research purpose**

39. List of doctoral, post-doctoral students and Research Associates : **NIL**

a) from the host institution/university : MD Radiotherapy Students

1	Dr Ashok Singh	2013
2	Dr Deepika Mallik	2014
3	Dr Manoj Birajdar	2015

b) from other institutions/universities : **NIL**

40. Number of post graduate students getting financial assistance from the university. – **Financial assistance is available but not availed by the student.**

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
This exercise is undertaken at level of MUHS. The staff members who are on the BOS represent our feedback to university.
42. Does the department obtain feedback from - **NIL**
59. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
60. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
61. alumni and employers on the programs offered and how does the department utilize the feedback?
11. Regular Departmental meetings at twice monthly organized and feedback of departmental activities discussed
12. Curriculum committee at the Dean level organized.
13. College council at Dean Level organized
14. Feedback from faculty is obtained
15. Student feedback
- At the end of the Unit/system taught by each teacher,
 - Feedback is taken from the students in order to improvise and overcome limitations, if any.
 - Mentor-Mentee meetings
43. List the distinguished alumni of the department (maximum 10) – **NIL**
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
- **Regular Teaching activity of MBBS Students.**
 - **Regular cancer awareness and diagnostic camp**
 - **Field visit by consultant with students for cancer detection camp.**
 - **Student present their talks in Academy of Medical Sciences.**
 - **Organized ICRO teaching course by the department in which 60 students across the country participated and thought by eminent faculty on Gynecological Malignancies.**
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- **Regularly arranging seminars**
 - **Promoting e-learning**
 - **Regularly arranging Journal clubs**
 - **Regular bedside teaching during ward round.**
 - **Regularly arranging long and short case presentation with viva.**
46. How does the department ensure that program objectives are constantly met

and learning outcomes are monitored:

- i. Evaluation of MD program is done through results of classroom/ internal assessment in following exams: Part Completion Tests & Preliminary Exam and University exams
- ii. Feedback is collected from the students
- iii. Feedback is collected from the faculty
- iv. Discussion at curriculum committee meeting and college council regarding the same is conducted.
- v. Guidelines from university are followed.

47. Highlight the participation of students and faculty in extension activities.

- **E- Learning**
- **MET**
- **Research Methodology**

48. Give details of “beyond syllabus scholarly activities” of the department. –
E-learning

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

MUHS, MCI

Date of last inspection of

MCI: 05-02-2016

MUHS: 02-03-2015

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. – **Students are trained in seminar for communicating skill development.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- **Committed and trained faculty**
- **The department is Tertiary cancer center and well equipped with state of the art equipment**
- **Provides affordable treatment to cancer patients from Vidarbha and adjacent areas of Telangana, Andhra Pradesh and Chattisgarh**
- **Promoting anti tobacco campaign and breast self examination and educating public for personal hygiene and lifestyle.**

- **Running Kasturba Breast Cancer Club to encourage cancer survivors and motivate the new patients for treatment like Surgery, chemotherapy and Radiotherapy**
- **Faculty deliver Radio talks on Cancer**
- **Learning resources are available with sufficient infrastructural support**

Weaknesses:

- **With the busy clinical schedule sometime face difficulties in teaching the students.**

Opportunities:

- **Regularly arranging the cancer and education camps**
- **Health education to public about prevention of cancer.**

Challenges

- **To maintain quality and yet keep the treatment affordable for our rural patients**

52. Future plans of the department. –

- **To develop separate oncology wing**
- **To start full fledged palliative care facility with hospice.**
- **To send faculties and students to grade-I oncology institute across the country and out-of country.**

ANNEXURES FROM RADIOTHERAPY

ANNEXURE I A: Publications

1. **Waghmare CM.**
Radiation Burn – from mechanism to management.
Burns 2013; 39 (2): 212-219
2. **Gupta M, Pandya B, Narang R.**
Inflammatory myofibroblastic tumour of the stomach: A rare case presentation with review of literature.
Int J Biomed Adv Res 2014; 5(12):648-649
3. **Gupta M, Narang R.**
Labia majora, an unusual site presentation of alveolar rhabdomyosarcoma

- in a young girl; a case report and review of literature.
Int J Biomed Adv Res 2014; 5(9):470-471
4. Mahindrakar B, Jain J, Singh R, Kothari R, Vyas V.
Cardiac hemodynamic profile and its correlates by Impedance plethysmography in normal individuals of central India.
Indian J Physiol Pharmacol 2015; 59(1): 30-33.
 5. V Lokesh, T Naveen, YS Pawar.
Case report: Spindle cell sarcoma of esophagus:A rare case presentation.
Journal of Cancer Research and Therapeutics 2010 6(1):100-101.
 6. Joseph Bindhu, Sanjay Supe, Yeshwanth Pawar.
Intensity modulated radiotherapy (IMRT) the white, black and grey: a clinical perspective.
Reports of Practical Oncology and Radiotherapy 2009 14(3):95- 103.
 7. Manjula MV, YS Pawar.
Primary Desmoplastic Small Round Cell Tumor Of Testis.
First Case presentation in Indian Literature and its review J Cancer Res Ther. 2015 Jul- Sep 11(3):650
 8. S. Subramaniam, M. Babaiah, Y. Pawar and A. Clivio, et al.
Chestwall radiotherapy with volumetric modulated arcs and the potential role of flattening filter free photon beams.
Strahlentherapie Und Onkologie
Volume 188, Number 6 (2012), 484- 491.
 9. S. Chilukuri, Y. Pawar, S. S. Subramanyam et al :
Prospective Study Evaluating Image Guided Volumetric Modulated Arc Therapy With Concurrent Weekly Cisplatinum For Inoperable Thoracic Esophageal Cancer (Accepted for poster presentation in ASTRO 2012).

ANNEXURE IVA CONFERENCES ATTENDED

Vyas VJ

2011

1. Maharashtra Oncology group, Pune, 30 Jun- 1 Jul 2011.
2. AROI National Conference, Jaipur, 24-27 Nov 2011
3. ONCON, Kolkata, 12-13 Dec 2011
4. International Conference on Hyperthermia, Indore, 4-5 Feb 2012
5. Conference on Evidence based management of cancer in India
Tata Memorial Hospital, Mumbai, 24 - 26 Feb 2012

2012

6. Cancer CI Conference, Hyderabad, 8 Feb 2013
7. AROI Conference, Kolkata, 2 Dec 2013

2013

8. Maharashtra and Karnataka Chapter of AROI (*Faculty*), Goa, 9 - 10 Aug 2013
9. Indian Cancer Congress (*Faculty*), New Delhi, 24 - 27 Nov 2013
10. CCC Course. (*Faculty*), Indore, 30 Jan - 1 Feb 2014
11. Maharashtra and Karnataka Chapter of AROI; Goa, 9 - 10 Aug 2013

2014

12. Update on management of Gynecological malignancies. MGIMS, Sevagram, 19-20 Apr 2014
13. Carcinoma Lung. Best of ASCO (American Society of Clinical Oncology), Hyderabad, 28-30 Jun 2014
14. Conference of Maharashtra Chapter of AROI (Association of Radiation Oncologist of India) Nagpur, 15 -16 Aug 2014
15. International CME on Breast Cancer. Central India cancer Institute, Nagpur, 19 Oct 2014
16. National AROI conference, Imphal (Manipur) 6 – 9 Nov 2014
17. SAARC oncology summit. New Delhi, 28 - 30 Nov 2014

ANNEXURE IV B COURSES ATTENDED

1. Maharashtra chapter of AROI Meeting
Pune, 13-14 Aug 2011 (Dr Vyas)
2. Radio-biology course Shimla, 21 Sep 2013 (PGs)
3. ICRO Teaching Course Bareilly (PGs)
4. ICRO teaching course, Hyderabad (PGs)
5. ICRO Teaching course, MGIMS, Sevagram(PGs)

ANNEXURE IV C, D, E WORKSHOPS

6. MET (medical education technology) attended by Dr Vyas, Dr Manish,
7. CRMW (Clinical Research Methodology Workshop) attended by Dr Vyas, Dr Manish, Dr Ashok, Dr Deepika, Dr Manoj
8. TMH Practicum on brachytherapy attended by Faculty

DEPARTMENT OF DERMATOLOGY, VENEREOLOGY & LEPROSY

1. Name of the Department - Dermatology, Venereology & Leprosy
2. Year of establishment - 2003
3. Is the Department part of a college/Faculty of the university?- Yes. It is a part of Mahatma Gandhi Institute of Medical Sciences Sevagram
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) – UG-MBBS, PG- MD, DVD (Dermatology Venereology & Leprosy)
5. Interdisciplinary programs and departments involved- Pathology-histopathological correlation is done in CPC meetings
6. Courses in collaboration with other universities, industries,foreign institutions,etc- No
7. Details of programs discontinued, if any, with reasons : NA
8. Examination System: Annual (Post Graduate)
9. Participation of the department in the courses offered by other departments – Yes. With Department of Pharmacology, PG Diploma in Geriatric Medicine
10. Number of teaching posts sanctioned, filled and actual(Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	2
Associate Professor/Reader	1	1	
Assistant Professor	1	1	1
Lecturer			
Senior resident	1	1	1

1. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
Dr. Sumit Kar	MBBS , MD PGDHM	Prof. & Head	Dermatology Venereology & Leprosy	20 years 11 mnths
Dr. Sonia Jain	MBBS, MD, PGDGM	Prof	Dermatology Venereology &	13 Years 10

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>
			Leprosy	months
Dr Ravindra Salodkar	MBBS, MD	Asst Professor	Dermatology Venereology & Leprosy	1 month

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors - None
13. Percentage of classes taken by temporary faculty – program-wise information – No temporary faculty are present
14 Program-wise Student Teacher Ratio–UG(33.3:1) ; PG(5:2)
15 Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual-2

Designation	Sanctioned	Filled	Actual
Clerk	1	1	1
Attendent	1	1	1

- 16 Research thrust areas as recognized by major funding agencies-NIL
17 Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. –
Dr Sumit Kar:
Integrated Counselling and Testing Centre (ICTC) : Sexually transmitted diseases (STD) and Anti retroviral therapy (ART) programs under Maharashtra State AIDS Control Society (MSACS)
Funded by National AIDS Control Organization (NACO)
- 18 Inter-institutional collaborative projects and associated grants received -No
❖ National collaboration b) International collaboration
19 Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

2013- ICMR-STS Project

Amit Sinha: Guide: Dr S Kar

A study of cutaneous disorders in 100 diabetic mellitus patients attending Dermatology department in a rural tertiary care Centre.

- 20 Research facility / centre with
- state recognition
 - national recognition
 - international recognition
- 21 Special research laboratories sponsored by / created by industry or corporate bodies - No
- 22 Publications:
- * Number of papers published in peer reviewed journals (national / international) – 42
 - * Monographs
 - * Chapters in Books
 - * Books edited
 - * Books with ISBN with details of publishers
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact Factor – range / average
 - * h-index
- 23 Details of patents and income generated
- 24 Areas of consultancy and income generated
- 25 Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
- 26 Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (specify)
- Kar S**
 Executive member, Vidarbha Dermatological Society, 2011-12
 Board of Studies, MUHS Nashik, 2012-15
 31/5 Committee Member, 2012-15
 MUHS, Local Inspection Committee Member
 MUHS Enquiry Committee Member
- 27 Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).
Dr Sumit Kar- PG Diploma in Health and Hospital Management, 2013
Dr Sonia Jain, PG Diploma in Geriatric Medicine, 2014

Dr Sonia Jain

- Resource person of MEU, MGIMS, Sevagram
- Resource person for e-learning, MGIMS, Sevagram.
- Attended Revised Basic Workshop of MET and Sensitisation of ATCOM module at Sawangi from 7-10th Sept.2015.
- Pursuing Fellowship in Medical Education (FIME), Nodal Centre, Sawangi

28 Student projects

- percentage of students who have taken up in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

29 Awards / recognitions received at the national and international level by

- Faculty:
- Doctoral / post doctoral fellows
- Students
 - Dr. Neha Pandey and Dr. Nidhi Yadav secured third position in Cuticon Nashik December 2015-IADVVL quiz

30 Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

31 Code of ethics for research followed by the departments : Yes. All projects are approved by the Institutional Ethics Committee

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD PG Diploma					
2012	149	0	1	-	100%
2013	191	1	1	100%	100%
2014	265	1	1	100%	100%
2015	247	1	1	100%	100%

32 Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD	100%	-	-	-
PG Diploma	100%	-	-	-
UG	NIL			

33 How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. NA

34 Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil,DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	28.57
• Other than campus recruitment	71.42
Entrepreneurs	

35 Diversity of staff

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	
from universities from other States	100% (2/2)
from universities outside the country	

36 Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

37 Present details of departmental infrastructural facilities with regard to

a) Library – yes

(Department - 80 books and 5 journals in departmental library)

(Central library 394 books and 6 journals)

b) b) Internet facilities for staff and students – yes (Department has good connectivity of Wi-Fi and computers are being provided with this facility)

- through HIS system)
- c) Total number of class rooms-1
 - d) Class rooms with ICT facility and ‘smart’ class rooms- 1 (All lecture halls are wifi enabled and have LCD projection facility)
 - e) Students’ laboratories
 - f) Research laboratories
- 38 List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university –
 - 2012-Dr. K. Preetha (DVD)
 - 2013-Dr. Atul Mohankar (MD)
 - 2014-Dr. Esha Agrwal (DVD)
 - 2014- Dr. Neha Singh (MD)
 - 2015- Dr. Preeti Jakhar (MD)
 - 2015- Dr. Sachin Gulhane (DVD)
- PRESENT POST GRADUATES IN THE DEPARTMENT
- Dr. Nidhi Yadav(SR-2013)
 - Dr. Neha Pandey(MD-2014)
 - Dr. Pratiksha Sonkusale(MD-2015)
 - Dr. Pooja Bonde(DVD-2015)
 - Dr. Priyanka Date(MD-2016)
 - Dr. Varsha Varma (DVD-2016)
- b) from other institutions/universities
- 39 Number of post graduate students getting financial assistance from the university. Nil
- 40 Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. NA
- 41 Does the department obtain feedback from - No
- 62. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - Taken in departmental meetings and during College Council meetings. Dr Kar is on Board of Studies in MUHS. He represents feedback on curriculum to the University
 - 63. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Collected by IQAC and shared.
 - 64. alumni and employers on the programs offered and how does the department utilize the feedback?
- 42 List the distinguished alumni of the department (maximum 10)
- 43 Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- Department participated in academic activities organized by Academy of Basic Medical Sciences;MGIMS
- 44 List the teaching methods adopted by the faculty for different programs including clinical teaching-
Discussion during daily patients care, case presentation, seminars, journal club
- 45 How does the department ensure that program objectives are constantly met and learning outcomes are monitored? -
Monthly academic activity including case presentation, seminar, journal club and monthly exam are conducted for post graduates
Clinical postings for under graduates are also conducted in the department
- 46 Highlight the participation of students and faculty in extension activities.
- 47 Give details of “beyond syllabus scholarly activities” of the department.
PG students participate in Quiz competitions. Dr. Neha Pandey and Dr. Nidhi Yadav secured third position in Cuticon Nashik December 2015-IADVL quiz
- 48 State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
MD course recognized by MCI
- 49 Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
Every-year postgraduate students are trained in Dermatology in the department and awarded post graduate degree. A large number of publications are submitted each year
- 50 Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths-There is good clinical material in the form of patients in the department in OPD as well as IPD
 - Weaknesses-Presently ongoing research projects are less
 - Opportunities: To explore research areas
 - Challenges-The retention of junior level faculty is difficult. So difficult to continue research with no stable junior staff members
 - Every activity done in the department is in the best of interest for patients as well as students and research work.
52. Future plans of the department.
To strengthen skills teaching and improve quality of care being provided by the department for better patient care and better knowledge of students. We shall continue to put in our efforts to provide newer and more advanced therapy to our patients. We plan to do more research and projects when our

working hands increase.

To enhance quality of patient care

To improve teaching learning experience of students.

To improve quality of research in department

ANNEXURES FROM DEPARTMENT OF DERMATOLOGY

ANNEXURE I A PUBLICATIONS

YEAR 2011-2012

Jain S, Jain AP

Tuberous xanthoma in diabetes mellitus In: *Casebook of Dermatology* Vol. 2 (Shroff HJ, ed.) IJCP Group of Publications, New Delhi, 2011, 19-21

Kar S, Mohankar A, Krishnan A, Preetha K

Generalised granuloma annulare – case report *Health Renaissance* 2011; 9 (3): 207-209.

Kar S, Krishnan A, Gangane N, Preetha K

Scrofuloderma – A case series from rural India

Indian J Tuberculosis 2011; 58(4): 189-195 (PMID : 22533168)

Jain S.

Epidemiological profile of males suffering from sexually transmitted infections in Rural Central India.

Indian J Sex Transm Dis AIDS 2011; 32(2): 139. (PMID : 22021984)

Jain S.

Giant bathing trunk nevus: case report.

Int J Basic Applied Med Sci 2011; 1: 136-138.

Jain S.

Acne vulgaris- Recent trends.

Current Medical J India 2012; 17(10): 41-51.

Kar S, Krishnan A, Preetha K, Mohankar A.

A review of antihistamines used during pregnancy

Indian J Pharmacol Pharmacokinetics 2012; 3 (2): 105-108 (PMID : 22629082)

Jain S.

Retinoids: A boon in dermatology.

Current Medical Journal of India 2012; 12: 31-3

Jain S, Chotaliya K, Marfatia YS.

Abstracts from the current global literature: Mitochondrial toxicities due to nucleoside reverse transcriptase inhibitors *Int J Sex Transm Dis and AIDS* 2012; 33 (1): 54-7.

YEAR 2012-2013-

Kar S, Krishnan A, Gangane N, Jain S, Mehra B, Kale S.

Multiple giant nerve abscess presenting like lipoma in a treated patient of Hansen's disease.

Int J Dermatol 2012; 51(7): 835- 837 (PMID: 22715828)

Kar S, Krishnan A, Gangane N.

Eccrineangiomas hamartoma: a rare skin lesion with diverse histological features.

Indian J Dermatol 2012; 57 (3) : 225-227 (PMID: 22707779)

Kar S, Krishnan A, Mohankar A. Kar S, Krishnan A, Mohankar A.

Penile cyst in pediatric patient- case report. *Int J*

Basic Applied Med Sci 2012 ; 2(1): 56 -58

Kar S.

Topical therapy- where, how much and how long.

Current Medical J India 2012; 25(5): 27-30

Kar S, Singh N, Krishnan A, Dixit A, Verma S, Gosavi D.

Allergic contact dermatitis to rudraksha. *J*

Phytotherapy & Pharmacology 2012; 1(4): 33-34

Krishnan A, Kar S.

Bilateral madarosis as the solitary presenting feature of multi bacillary leprosy. *Int*

J Trichology 2012; 4: 179-80. (PMID: 23180932)

Kar S, Krishnan A, Shivkumar PV.

Pregnancy and skin – a review.

J Obstet Gynecol Ind 2012; 62 (3) : 268-275 (PMID:23730028)

Krishnan A, Kar S.

Smashed skin grafting or smash grafting – a novel method of vitiligo surgery.

Int J Dermatol 2012; 51(10) : 1241-1247. (PMID: 22994670)

Kar S.

Pseudocyst of ear – a case report. *Malaysian*

J Dermatol 2012; 29: 27-29

Krishnan A, Kar S.

Photoletter to the editor: Hyperkeratosis lenticularis perstans (Flegel's disease)

with unusual clinical presentation –response to isotretinoin therapy. *J Dermatol*

Case Reports 2012; 6 (3): 93-95. (PMID: 23091588)

Kar S, Mohankar A, Krishnan A.

Lymphangioma circumscriptum – rare site.

Health Renaissance 2012; 10 (3): 256-257.

Kar S.

Lasers in dermatology.

Current Medical J India 2013; 18(10) : 15-21

Kar S, Krishnan A.

Parry Romberg Syndrome – Pictorial CME

J Assoc Physicians India 2013; 61(2): 134.

Kar S, Singh N.

Clinical assessment of genital candidiasis in a rural population attending a STD clinic in Central India.

Global Research Analysis 2013; 2(3): 151-152.

Kulkarni S, Kar S, Madke B, Dashatwar D , Singh N.

Epidermolysis Bullosa Dystrophica: A case report.

Indian J Res (Paripex) 2013; 2(3): 278-279.

Jain S.

Pulse Therapy.

Curr Med J India Sep 2012; 18(6): 19-24.

Madke B, Ghia D, Gadkari R, Nayak C.

Cheilitis granulomatosa (Miescher's granulomatous macrocheilitis) with Trisomy 21.

Dermatol Online J 2012; 18(6): 7

Madke B, Khopkar U.

Pediculosis capitis: An update.

Indian J Dermatol Venereol Leprol 2012; 78:429-38

Madke B, Nayak C.

Triads in dermatology.

Indian J Dermatol Venereo lLeprol 2012; 78:657-60

Madke B.

Dermatology and social networking sites.

Indian Dermatol Online J 2012; 3:211-2

Madke B, Nayak C.

Eponymous signs in dermatology.

Indian Dermatol Online J 2012; 3:159-65

Madke B, Gadkari R, Nayak C.

Median canaliform dystrophy of Heller.

Indian Dermatol Online J 2012; 3:224-5

YEAR 2013-2014

Kar S, Krishnan A, Singh N, Singh R, Pawar S.

Nerve damage in leprosy: An electrophysiological evaluation of ulnar and median nerve in patients with clinical neural deficits- A pilot study.

Indian Dermatol Onl J 2013; 4(2):97- 101 (PMID: 23741664)

Kar S, Prasad K, Madke B, Singh N, Mohankar A.

Multiple accessory tragi: Case report

Int J Basic Appl Med Sci 2013; 3(1): 1-2.

Kar S.

Derma-clinic. What is the diagnosis? Pityriasisrosea. *Current Med J India* 2013; 19 (3):62

Kar S, Mohankar A, Krishnan A.

Bronze baby syndrome.

Indian Pediatr 2013; 50: 624 (PMID: 23942414)

Dongre A, Kar S, Krishnan A, Gondse S, Singh N.

Epidemiological study of insect bite reactions from Central India.

Indian J Dermatol 2013; 58(5): 337-341. (PMID: 24082174)

Kar S, Krishnan A.

Scrotal dermatitis-can we consider it as a separate entity? *Oman*

Med J 2013; 28(5): 302-305. (PMID: 24044054)

Kar S, Singh N.

Alopecia areata treated with phenolisation and intravenous dexamethasone pulse.

Int J Trichol 2013; 5: 47-9 (PMID: 23960401)

Kar S.

Botox.

Current Med J India 2013; 19(7): 7-10

Kar S.

Derma-clinic. Neurofibromatosis. *Current*

Med J India 2013; 19 (7): 7-10

Kar S, Prasad K, Madke B.

An interesting presentation of Tinea corporis. *Health*

Renaissance 2013; 11(3): 279-280

Kulkarni S, Kar S, Madke B, Krishnan A, Prasad K.

A rare presentation of verrucous/hypertrophic lupus erythematosus: A variant of cutaneous LE.

Indian Dermatol Online J. 2014; 5:87-8

Jain S, Jain P.

Bullous fixed drug eruption to ciprofloxacin: A case report.

J ClinDiagn Res. 2013; 7(4):744-745. (PMID: 23730666)

Jain S.

Pellagra. What is the diagnosis?

Current Med J India 2013; 19(1):61.

YEAR 2014-2015

Kar S, Preetha K, Yadav N, Madke B, Gangane N

Becker's nevus with neurofibromatosis type 1. *Ann Indian AcadNeurol* 2015; 18:90-2. (PMID: 25745321)

Kulkarni S, Kar S, Madke B, Krishnan A, Prasad K.

A rare presentation of verrucous/ hypertrophic lupus erythematosus: A variant of cutaneous LE.

Indian Dermatol Online J 2014 ; 5:87-8. (PMID : 24616869)

Kar S, Krishnan A, K Preetha, Mohankar A, Singh N.

Erythema abigne – unilateral due to chulla.

Med J DY PatilUniv 2014; 7:529-30.

Kar S, Prasad K, Madke B, Gangane N, Singh N.

Abdomino-pelvic actinomycetoma successfully treated with combination chemotherapy.

Australas J Dermatol 2014; 55(3):230-2 (PMID: 25117166)

Madke B, Kar S, Prasad K, Yadav N, Singh N.

A fatal case of Nicolau syndrome.

Indian J PaediatrDermatol 2014; 15:92-3.

Madke B, Chougule BD, Kar S, Khopkar U.

Appearances in clinical dermatology.

Indian J DermatolVenereolLeprol 2014; 80:432-47. (PMID: 25201846)

Singh N, Yadav N, Kar S, Madke B, Prasad K, Chandekar P.

Spectrum of skin disorders in human immunodeficiency virus-infected patients in a rural area of Maharashtra and the relation to CD4 lymphocyte counts.

The Health Agenda 2014; 2: 120-4

Yadav N, Kar S, Madke B, Dashatwar D, Singh N, Prasad K, et al.

Leprosy elimination: A myth busted.

J Neurosci Rural Pract 2014; 5:28-32. (PMID: 25540534)

Hinge D, Yadav N, Kar S, Madke B, Singh N, Krishnan A.

Hospital based comparative study of anxiety and depression in adolescents with or without acne vulgaris.

Egyptian Dermatol Online J 2014; 10(2):3

Kar S.

Derma-clinics-What is diagnosis? MolluscumContagiosum.

Current Medical J India 2014; 20(9): 62

Dashatwar D, Singh N, Kar S.

Is it Vogt Koyanagi Harada syndrome? *Med J DY PatilUniv* 2015; 8:62-64

YEAR 2015-16

Yadav N, Kar S, Madke B, Gangane N.

Hansen's disease and HIV co-infection with facial nerve palsy.

J Neurosci Rural Pract 2015; 6:228-30 (PMID: 25883486)

Dashatwar D, Kar S, Gangane N, Pol V, Madke B, Kulkarni S, Singh N.

Chromoblastomycosis in an inmate of leprosarium.

Lepr Rev 2015; 86, 102– 107

Jain SP.

Lepromatous leprosy with palatal perforation: A rare presentation.

Egyptian Dermatol Online J 2014; 10(1):8

Jain SP.

Pseudopelade of Brocq: a clinico-therapeutic challenge!

Health Renaissance 2013; 11(3):27273-275.

Jain S, Jakhar P.

Herpes zoster ophthalmicus in pregnancy: A rare presentation.

J Med Soc 2014; 28(1):49-51

Jain S, Jain P, Jakhar P, Shivkumar VB.

Eosinophilic panniculitis in a female child: an unusual presentation.

Indian Dermatol Online J 2015; 6 (1): 34-36 (PMID: 25657915)

Jain S, Jain P, Shivkumar VB.

Pustular psoriasis in lactating female: A successful challenge

Saudi J for Health Sci 2014; 3 (3): 163-165

Jain SP.

Vitiligo

Current Me Medical J India 2014; 20(9): 23

Jain SP.

Pellagra. D Derma-clinics. Pictorial CME on Leukoderma.

Current Medical J India 2014; 20(9): 61

Chandekar P, Madke B, Kar S, Yadav N.

Lesch Nyhan syndrome in an Indian child.

Indian J Dermatol 2015; 60:298-300 (PMID: 26120162)

Madke B, Kar S, Yadav N.

Newly described signs in dermatology.

Indian Dermatol Online J 2015; 6:220-1 (PMID: 26009724)

Madke B, Prasad K, Kar S.

Isotretinoin-induced night blindness.

Indian J Dermatol 2015; 60:424(PMID: 26288455)

Yadav N, Madke B, Kar S, Prasad K.

Liposomal doxorubicin-induced palmoplantar erythrodyesthesia syndrome.

Indian Dermatol Online J 2015; 6:366-8 (PMID: 26500878)

Kar S, Dongre A.

Authors' reply.

Indian J Dermatol 2015; 60:515. (PMID: 26538711)

Kar S, Krishnan A.

Gianotti Crosti Syndrome following DPT vaccination.

The Indian Practitioner 2015; 68(9):44-45

Prasad K, Madke B, Kar S, Sinha AK, Yadav N.

Linear rays of depigmentation along lymphatics after intra-lesional corticosteroid therapy.

Indian Dermatol Online J 2015; 6:456-7 (PMID:26753155)

Roy KP, Madke B, Kar S, Yadav N.

Acute hemorrhagic edema of infancy.

Indian J Dermatol 2015; 60:624-5(PMID: 26677287)

Bonde P, Madke B, Kar S, Prasad K, Yadav N, Sonkusale P.

Dermatoses due to quackery: A case snippet and concise review of literature.

Indian J Dermatol 2016; 61:75-7 (PMID: 26955099)

Sinha A, Kar S, Yadav N, Madke B.

Prevalence of topical steroid misuse among rural masses.

Indian J Dermatol 2016; 61(1):75-7 (PMID: 26955124)

Yadav N, Madke B, Kar S, Prasad K, Gangane N.

Hailey-Hailey disease.

Indian Dermatol Online J 2016; 7:147-8 (PMID: 27057511)

Jain SP, Gulhane S, Pandey N, Bisne E.

Human papilloma virus infection and psoriasis: Did human papilloma virus infection trigger psoriasis?

Indian J Sex Transm Dis 2015; 36:201?3.DOI: 10.4103/0253-7184.167178

ANNEXURE I B : CHAPTERS IN BOOKS

YEAR- 2011-2012

Jain S, Jain AP

Tuberous xanthoma in diabetes mellitus

In: *Casebook of Dermatology* Vol. 2 (Shroff HJ, ed.) IJCP Group of Publications, New Delhi, 2011, 19-21

YEAR 2012-2013

Jain S.

Bullous SLE in young male- A rare entity.

In: *Casebook of Dermatology* Vol. 3 (Shroff H J, ed)
IJCP Group of Publications, New Delhi, 2012: 69-72

YEAR 2013-2014

Madke B, Nayak C.

Lichenoid drug eruptions.

In: Khopkar U and Valia A (eds). *Lichen Planus*. Mumbai: Jaypee Brothers; 2013: 183-190.

Madke B, Khopkar U.

Cutaneous vasculitides and neutrophilic dermatoses in children.

In: Inamdar AC, Palit A, Rangunatha S (editors). Textbook of Pediatric Dermatology. 2nd edition, Mumbai, Jaypee Brothers; 2014: 600-13.

YEAR 2014-2015

Madke B, Khopkar U.

Cutaneous vasculitides and neutrophilic dermatoses in children. *In:* Inamdar AC, Palit A, Rangunatha S (editors).

Textbook of Pediatric Dermatology. 2nd edition, Mumbai, Jaypee Brothers; 2014: 600-13.

ANNEXURE II: GUEST LECTURE

Kar S.

Phototherapy (*Guest lecture*)

CME on Management of Psoriasis.

Datta Meghe Institute of Medical Sciences, Sawangi, 28 Jun 2012.

Kar S.

Management of paediatric cutaneous tuberculosis. (*Guest lecture*)

CME on paediatric dermatosis.

Nagpur, 7 Jul 2013.

ANNEXURE III: EXTRA INSTITUTIONAL RESPONSIBILITIES

Kar S

RNTCP Core Committee (2013-16)

Board of Studies, MUHS Nashik(2013-16)

Local Inspection Committee (LIC) MUHS, Nashik(2013-15)

Executive member, Vidarbha Dermatological Society (2013-15)

ANNEXURE IV A CONFERENCES ATTENDED

Kar S.

Cutaneous tuberculosis: West Zone conference, IADVL

Indore, 23- 25 Sep 2011

Kar S.

Cuticon

Mumbai, 23-25 Dec 2011

Kar S.

Dermacon-2012

Jaipur, 9-12 Mar 2012

Kar S.

Derma zone west and CUTICON Maharashtra 2013
Powai, Mumbai, 18 - 20 Oct 2013

Kar S, Madke B.

Dermacon 2015,
TMA Pai Convention Centre, Mangalore, 12-15 Feb 2015

Kar S.

Annual Conference of Indian Society for Pediatric Dermatology,
Kolkata, 14-16 Nov 2014

Kar S

43rd DERMACON Manglore February 2016

Kar S

CME on Dermatology
IADVL Maharashtra State Branch, Nagpur, 1 Jul 2012

Kar S, Jain S, Bisne E, Gulhane S, Pandey N.

CME- Newer advances in psoriasis and atopic dermatitis.
Vidarbha Dermatological Society, Nagpur, 9 Nov 2014

Jain S, Bisne E, Gulhane S, Pandey N.

CME- Newer advances in psoriasis and atopic dermatitis.

Kar S, Jain S, Yadav N, Gulhane S, Pandey N, Bonde P, Sonkusale P.

Current scenario of leprosy in India- in search of ideal ways to keep up the status
of elimination. IAL 7th National CME, Session 2015, MGIMS, Sevagram, 2 Oct
2015

ANNEXURE IV C WORKSHOPS ATTENDED

Jain S.

Biomedical Waste Management Workshop
KHS, MGIMS, Sevagram, 18 Jul 2011

Gulhane S, Bonde P, Sonkusale P

Workshop on Laser Blast
Nagpur, 25 Oct 2015

ANNEXURE IV D: MET WORKSHOP ATTENDED

Krishnan A

Basic Course in Medical Education Technology
JNMC Sawangi, Wardha, 23-25 Nov 2011

Jain S

Revised Basic Workshop of MET and Sensitisation of ATCOM module
Sawangi, (Meghe), 7-10 Sep 2015

Jain S

Basic Workshop in Medical Education Technology: 19-21 Mar 2013
Large group interactive teaching

ANNEXURE IV E: RESEARCH METHODOLOGY WORKSHOPS ATTENDED

Kar S

Workshop on Research Methodology,
Regional Centre, MUHS, GMC, Nagpur, 29-31 Oct 2012

Kar S.

Workshop on Research Methodology
Regional Centre, MUHS, GMC, Nagpur, 29 – 31 Oct 2013.

ANNEXURE V: AWARDS AND FELLOWSHIPS

Jain S.

Fellowship on Medical Education
DMIMS, Sawangi, 4 - 8 Aug 2015

ANNEXURE: VII PAPER PRESENTATION

Jain S.

Azathioprine in pustular psoriasis in a lactating mother.
Middermacon 2014, Aurangabad, 15-17 Aug 2014

Yadav N, Kar S, Madke B.

Palmar plantar erythrodyesthesia syndrome
CUTICON, Nashik, 11 - 13 Dec 2015

Yadav N, Kar S.

Leprosy elimination: a myth busted
CUTICON, Nashik, 11 - 13 Dec 2015

Pandey N, Kar S, Madke B, Prasad K.

Netherton syndrome: Atypical presentation
CUTICON, Nashik, 11 - 13 Dec 2015

Sonkusale P, Kar S, Bonde P, Madke B, Prasad K.

Dermatoses due to quackery: A case snippet and concise review of literature
CUTICON, Nashik, 11 - 13 Dec 2015

Bonde P, Kar S, Yadav N, Madke B, Prasad K.

Concurrent occurrence of papulonecrotic tuberculid and erythema nodosum
CUTICON, Nashik, 11 - 13 Dec 2015

Jain S.

Human papilloma virus infection and psoriasis: Did human papilloma virus
infection trigger psoriasis?

44th DERMACON, Coimbatore, 21-25 Jan 2016

Pandey N, Jain S, Jakhar P.

Clinico-epidemiological study of acne vulgaris in rural central India
44th DERMACON, Coimbatore, 21-25 Jan 2016

Pictorial CME Bleomycin-induced flagellate hyperpigmentation: Clinical Image
Shanta Sutradhar, Sumit Kar, Sushil K Varma, Bhushan Madke

ICMR STS STUDENTSHIPS

Sinha A; Guide: Kar S

Topical products and its misuse among patients visiting a tertiary care hospital in rural central India

Hinge DV; Guide: Kar S

Hospital-based comparative study of anxiety and depression in adolescents with or without acne vulgaris

ANNEXURE VIII THESIS

2012-2013

Mohankar A; Guide: Dr Kar S

Evaluation of allergic contact dermatitis in agricultural workers of central part of India by patch test

2013-2014

Singh N; Guide: Dr Kar S

Skin tag as a cutaneous marker for impaired carbohydrate metabolism in rural based tertiary care hospital: A case control study

2014-2015

Jakhar P; Guide: Dr Jain SP

Clinico-epidemiological study of acne vulgaris in rural Central India

2015-2016

Yadav N; Guide: Dr Kar S

Clinicoepidemiological profile of deformities among leprosy patients in a rural tertiary care hospital in central India

DEPARTMENT OF PSYCHIATRY

1. Name of the Department : **Department of Psychiatry**
2. Year of establishment: **1996**
3. Is the Department part of a college/Faculty of the university?
Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)
We offer MD psychiatry and DPM (Diploma in Psychological Medicine) since 2005. In addition, since 2009 we offer degree and diploma courses run through with the collaboration of IGNOU Regional Centre, Nagpur
5. Interdisciplinary programs and departments involved
 - a) **Consultation Liaison Psychiatry with Department of Medicine, Surgery and allied departments**
 - b) **Inter-departmental collaboration with department of Pediatrics for Child Psychiatry**
 - c) **Community Psychiatry has been integrated with Department of Community Medicine**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
 - a) **Department of Neurology, PGIMER, Chandigarh, India for Neurology**
 - b) **Department of Child Psychiatry, NIMHANS, Bangalore, India**
7. Details of programs discontinued, if any, with reasons
None of the program commenced through our department has been discontinued so far
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Annual
9. Participation of the department in the courses offered by other departments:
Yes, with department of Medicine & Pediatrics we interacted on consultation Liaison Model and inter-departmental seminar(s) activity, once in a month.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor/Reader	01	00	00
Assistant Professor	01	01	01
Lecturer	01	00	00
Tutor / Clinical Instructor	02	02	02
Senior Resident	02	02	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Praveen Khairkar	MD	Professor	Psychiatry	10 years, 2 months
Dr. Rajesh Dhakne	MD, DPM	Assistant Professor	Psychiatry	1 year, 8 months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Dr. Mukund Baheti, MD, DM. Consultant Neurologist, Nagpur, India

13. Percentage of classes taken by temporary faculty – program-wise information: **There are No Temporary Faculty in our MGIMS, Sevagram**

14. Program-wise Student Teacher Ratio

Program	Student : Teacher Ratio
UG- MBBS	33:1
PG - MD	1:1
PG- DPM	1:3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Serial Number	Name of the Departmental Staff	Position	Working since
1	Mrs. Sandhya Jagtap	Sister in Charge	1999

2	Sister Lilly PV	Senior Nursing Staff	2001
3	Mr. Mahanta Vaidya	Clinical Psychologist	Nov 2004
4	Mr. Yogesh Nasare	EEG Technician	Dec, 2004
5	Mr. Sameer Bramhne	Departmental Clerk	May 2016
6	Mr. Moreshwar Suryavanshi	Attendant	1999
7	Mr. Premdas Nagrale	Attendant	2001

16. Research thrust areas as recognized by major funding agencies

Neuropsychiatry	Farmer's Suicide
Epidemiology	Assessment of Caregiver's Needs
Alcohol and Substance use disorder	OCD
Mental Stigma	Psychopharmacology

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sr. No	Year	Project Title	Funding Agency	Grants Received
1	2010-11	Randomized, 6-week, double blind, placebo-controlled, flexible-dose, parallel-group study of Lurasidone adjunctive to lithium or valproate for the treatment of bipolar I depression in subjects demonstrating non-response to treatment with lithium or valproate Alone	<i>Funded by Sunovion, 2010</i>	20.17 Lakhs
2	2010-11	A phase 3 randomised, double-blind, active comparator-controlled clinical trial to study the safety & efficacy of Lurasidone in subjects with schizophrenia (Pearl 3 Extension Study)	<i>Funded by Sunovion, 2010</i>	28.11 Lakhs

3	2011-12	Effect of Ayurvedic coded drug (AyushManas) in the management of Manasamandata(MR)	<i>Funded by Central Council for Research n Ayurveda & Siddha, AYUSH, Government of India</i>	37.79 Lakhs
4	2011-2015	Prevalence of Substance use dependence	<i>National Institute of Drug-Deaddiction, AIIMS, New Delhi</i>	Rs. 18,000/- Per Year
5	2013-14	Multi-centric study on assessment of health-care needs of patients with severe mental illnesses	<i>PGIMER, Chandigarh, India</i>	Rs. 20,000/- as an honorarium to researcher/ PI

18. Inter-institutional collaborative projects and associated grants received.

National collaboration :

a) International collaboration :

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. Same as in **POINT 17.**

20. Research facility / centre with

- state recognition: **EEG laboratory**
- national recognition: **EEG, ECT Machines,**
- international recognition : None

21. Special research laboratories sponsored by / created by industry or corporate bodies : **Nil**

22. Publications: **ANNEXURE I A**

- * Number of papers published in peer reviewed journals (national / international)
- * Monographs
- * Chapters in Books

- * Books edited
 - * Books with ISBN with details of publishers
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact Factor – range / average
 - * h-index
23. Details of patents and income generated : **None**
24. Areas of consultancy and income generated : **None**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
Yes.
- Dr. Praveen Khairkar has visited Berenson-Allen Centre at BIDMC which is affiliated to Harvard Medical School, Boston, USA in October 2012 and again in February-March 2013 for Neurostimulation and did his intensive training under Prof. Alvaro Leone Pascule, Director & Professor of Neurology, Harvard Medical School, Boston.**
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (specify)

Dr. Praveen Khairkar: Serve as

- Task Force Member, National Mental Health Policy, Government of India.
- Executive committee Member on World Psychiatric Society,
- Occupational Rehabilitation Group.

Editorial Boards on:

- Journal of Sex & Marital Therapy,
- Child and Adolescent Psychiatry and Mental Health, and
- J of MGIMS

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). **Regular and up-to-date learning by faculties through attending the various regional and national level CMEs, workshops and conferences.**
- Faculties from department of Psychiatry have their regular training modules on medical education basic course. Most of them attended three or more updated CMEs and workshop every year in the field of**

psychiatry.

Following are names of workshops, training programs usually attended by faculties

1. Basic Course on Medical Education and Technology
2. Clinical Psychology Workshop
3. Annual National training programs on Psychotherapy
4. National workshops on ECT/rTMS

28. Student projects : **(ANNEXURE VIII)**

- percentage of students who have taken up in-house projects including inter-departmental projects **(100% for PG)**

Undergraduate Medical Students have been involved mainly in ICMR short-term projects and they are as follows:

2012-13

Ms. Vijaylakshmi Dr. Shrikant Reddy

Evaluation of sexual dysfunction secondary to risperidone versus first generation antipsychotics.

2014-15

Mr. Vedant Murke Dr. Praveen Khairkar

Relationships of Loneliness with mobile phone and internet addiction in Medical Students of Rural Versus Urban Medical Colleges of Central India: a short-term observation study

2015-16

Mr. Anurag Rathi Dr. Kshirod Mishra

Quality of Sleep among Medical Students: Relationship with the Personality Trait

- percentage of students doing projects in collaboration with other universities / industry / institute **(None)**

29. Awards / recognitions received at the national and international level by

- Faculty:
 - A) **Dr. Praveen Khairkar**
 - **Fellow of Indian Psychiatric Society**
 - **Member, World Psychiatric Association**
 - **Member, World Society of Neuroscience**
 - **Member World Society of Engineering, Psychology & Applied Science**
- Doctoral / post doctoral fellows : **None**

- Students: **One of our MD Student Dr. Neha Gupta has been awarded with University Gold Medal in 2014**

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

ANNEXURE VI

31. Code of ethics for research followed by the departments
Department strictly follows the code of ethics laid down in Good Clinical Practice and is being abided by Institutional Ethics Committee

32. Student profile program-wise:

PG Students Passed out: 100%

1	Dr. Manik Bhise	MD	2011
2.	Dr. Yamini Langewar	DPM	2011
3.	Dr. Shrikant Reddy	MD	2012
4	Dr. Jakhar	DPM	2012
5.	Dr. K. Verma	MD	2013
6.	Dr. Sneh Babhulkar	DPM	2013
7.	Dr. Neha Gupta	MD	2014
8.	Dr. Dipayan Sarkar	DPM	2014
9.	Dr. Ramdas Ransingh	MD	2015
10.	Dr. Gajanan Sakekar	DPM	2015

UG students Pass percentage: No separate exam for Psychiatry. Same as in Medicine

Name of the Program (refer to question no. 4)	Applications received for last 5 years	Selected		Pass percentage	
		Male	Female	Male	Female
MD Psychiatry		3	2	100%	100%
DPM Psychiatry		3	2	100%	100%

33. Diversity of students: MBBS students belongs to MUHS, Nashik.

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Psychiatry				--
DPM Psychiatry				--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. :
None

35. Student progression (may be applicable to institute)

Student progression	Percentage against enrolled
UG to PG	100%
PG to M.Phil, DM / M Ch / DNB	0%
PG to Ph.D.	0%
Ph.D. to Post-Doctoral	NA
Employed	NA
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	NA

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0%
from other universities within the State	33.3%
from universities from other States	66.67%
from universities outside the country	None

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : **None**

38. Present details of departmental infrastructural facilities with regard to

a) Library: **In Central Library we have 640 Books, 3 International Journal, 1 National Journal of Psychiatry available in Central Library and about 150 books in Departmental Library**

b) Internet facilities for staff and students: **Department has good connectivity of Wi-Fi and 2 computers are being provided with this facility through HIS system**

c) Total number of class rooms: **2 classrooms in Department of Psychiatry, one of them (N N Wig Hall) can easily accommodate up to 120 students and it has 6 ACs for feasible weather/temperature control (used only if necessary). The other classroom can accommodate student(s) up to 25 and is being used when we have small divided batches.**

d) Class rooms with ICT facility and ‘smart’ class rooms: **one classroom**

e) Students’ laboratories: **No**

f) Research laboratories: **EEG Lab**

39. List of doctoral, post-doctoral students and Research Associates :

- from the host institution/university (**from host institution**)

SR. NO.	Name	COURSE	PASS OUT (MAY)
1.	Dr. Anup Rathod	DPM	2010
2.	Dr. Manik Bhise	MD	2010
3.	Dr. Yamini Langewar	DPM	2011
4.	Dr. Shrikant Reddy	MD	2012
5.	Dr. Jakhar	DPM	2012
6.	Dr. K. Verma	MD	2013
7.	Dr. Sneha Babhulkar	DPM	2013
8.	Dr. Neha Gupta	MD	2014
9.	Dr. Dipayan Sarkar	DPM	2014
10.	Dr. Ramdas Ransingh	MD	2015
11.	Dr. Gajanan Sakekar	DPM	2015
12.	Dr. Aditi Jain	MD	
13.	Dr. Sneha Babhulkar	MD	
14.	Dr. Vinay Kumar	MD	
15.	Dr. Girish Agarwal	DPM	
16.	Dr. Vivek Joge	MD	

- b) from other institutions/universities (NA)
40. Number of post graduate students getting financial assistance from the university/Institute:
- **Dr. Ramdas Ransing received Rs. 4, 000/- for thesis in year 2012-13**
 - **Dr. Sneh Babhulkar (Rs. 18,000/-for her thesis in year 2013-14),**
 - **Dr. Vinay Kumar received Rs. 4, 000/- Rs for his thesis in year 2015-16 from the institute's Research Committee.**
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. **Yes, this exercise is undertaken with level of MUHS staff members on Board of Studies representing the feedback to University.**
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **Yes, faculties do provide feedback specially related to curriculum of Psychiatry and shows their concern for Psychiatry being neglected from undergraduate exam considering the optimal need to understand the subject and the issue has been raised and conveyed to national level committees with the hope that emphasis on Psychiatry would enhance in coming time.**
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes, undergraduate and postgraduate medical students are being encouraged to provide the feedback related to teaching-learning evaluation, so that teaching becomes non-didactic and fun with emphasis on applied aspects in clinical practice as well as making the subject students friendly. We allow students to form small groups and make 10 minutes presentations, group discussion as well as use information & communication technology optimally. Further, for postgraduates, journal club and recent update with visits in time to time continuous educational forums/CMEs are being considered.
- c. Alumni and employers on the programs offered and how does the department utilize the feedback?
Yes, institute takes feedback through workshops and conferences.
43. List the distinguished alumni of the department (maximum 10):
- **Dr. Shrikant Reddy, Associate Professor, Sri Aurobindo Institute of Medical Sciences, Medical College, Indore, India**
 - **Dr. Manik Bhise, Assistant Professor, MGM Medical College, Aurangabad, Maharashtra**

- **Dr. Ramdas Ransing, Assistant Professor, B.K.L. Walawalkar Rural Medical College, Kasarwadi – Ratnagiri, Maharashtra**
 - **Dr. Seema Parmar, Consultant Psychiatrist, New Delhi**
 - **Dr. Abhishek Mamarde, Consultant Psychiatrist, Regional Mental Hospital, Nagpur**
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
- **Dr. R. S. Murthy, MD, Ex-Director of NIMHANS** visited our department of Psychiatry On 5th September, 2011 and delivered a week long lecture series on Community Psychiatry
 - **Dr. Dwarka Prashad, Ph. D. Professor Emeritus, PGIMER, Chandigarh,** visited department and taken a week long training for clinical Psychology Test in second week of August, 2012
 - **Prof. Ahmed Rady, MD, Associate Professor, Neuropsychiatry & Psychotherapy, University of Alexandria** visited in 7th February 2013 and given special lecture on Family Therapy
 - **Dr. Raja Ghosh, MD, FRCPsych, London,** visited the department and delivered talk on Clinical Approach to suicidal patients in 10th February, 2013
 - **Prof. Pratap Sharan, MD, PhD, Professor of Psychiatry, AIIMS, New Delhi** has visited the department in 9th February 2013 and given talk on Advances in treatment on ADHD
 - **Prof. Ajit Avasthi, MD, Professor of Psychiatry, PGIMER, Chandigarh** has visited department and gave lecture on managing sexual offenders in 11th February, 2013
 - **Dr. Mukund Baheti, MD, DM, Consultant Neurologist,** visited Department and given talk on treatment of Dementia and Parkinson's diseases on 17th **September, 2014**
 - **Dr. K Ramaswamy, Ph. D. Associate Dean of Research, University of Illinois, Chicago, USA** delivered a guest talk on Professional Pathways to success in Medical Profession on 5th November, 2014
 - **Dr. Sudhir Bhawe, MD, Professor & Head, NKP Salve Institute of Medical Sciences, Nagpur** delivered talk on Music and Brain on 28th January, 2015
 - **Prof. Prakash Behere, MD, Director of Innovation & Research, DMIMS, Sawangi (M),** visited department on 11th October 2015 and delivered talk on Managing suicide in Farmers
45. List the teaching methods adopted by the faculty for different programs

- including clinical teaching. **Live case discussions, Mini-Quiz, Micro-teaching method**
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? **Through regular faculty meetings, and feedback from students after lecture(s) or teaching-learning activity.**
 47. Highlight the participation of students and faculty in extension activities. **Both our undergraduate and postgraduate students extensively participates in the community mental health screening and referral activities in yearly village adoption and camp conducted through Department of Community Medicine. In addition to it, one psychiatric resident along with faculty goes to selected PHCs Like Anji and Bhidi in District Wardha every week to serve as a visiting psychiatrist.**
 48. Give details of “beyond syllabus scholarly activities” of the department. **Department celebrates world mental health week, world schizophrenia day, world smoking day with various activities for students, patients and caregivers almost every year since the inception of the department. Further as per the norms of MUHS, Nashik, we organize stress management program for undergraduates and postgraduate students.**
 49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. **PG courses recognized by MCI**
 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
 The department of Psychiatry has created a window for generating inter-institutional collaborations for clinical teaching for postgraduate students with premier institutes of national importance like NIMHANS, Bangalore, India for Child Psychiatry, PGIMER, Chandigarh for Neurology.
 Further, department has been involved with couple of studies on drug-de-addiction and burden of care, health care needs in schizophrenia and mental disorders with AIIMS New Delhi and PGIMER, Chandigarh, India.
 Now and then, almost every year, department has been organizing awareness programs on World Mental Health Day, Schizophrenia Day.
 Department solicits the national and international speakers to come and give guest talk or special skill / capacity development module for medical graduates and postgraduates.
 Faculties from department has now been the source of inspiration as they are giving public talks (SEVA BHAV) on radio programs like MGIRI which

included talks on stigma and attitude towards mental illness, Drug-deaddiction, Schizophrenia.

Finally, Dr. Praveen Khairkar had been to BIDMC, Harvard Medical School, Boston, USA and been trained in various modules on transcranial magnetic stimulation in various neuropsychiatric disorders during 2012-13 and visited various institutes and discussed the implications of its therapy.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Team of Recognized Faculty trained from premier institute(s) of India
2. First Department to start MD/DPM course in Psychiatry from Central India
3. Modest facilities in the department supported by trained technical staff
4. Provides outpatient care to about 17,000 patients per year and about 4500 inpatients per year
5. Our postgraduate students have been among the top rank holders in the Maharashtra University of Health Sciences, Nashik

Weaknesses:

1. Only one MD and one Diploma student
2. Poor funded research
3. Lack of research laboratories in Psychiatry
4. Junior faculties not staying on sustained levels over last 5 years

Opportunities:

1. Can enhance the number of Postgraduates per year
2. Efforts can be made to upgrade and optimally use the professional skills

Challenges:

1. Quality research, teaching innovations, sustaining faculties and timely pulling up the resources for research are some of the challenges that we see.

52. Future plans of the Department.

- a) **To develop Child Psychiatry services in collaboration with Department of Pediatrics and some of the interested schools around**
- b) **To take up the inter-departmental postgraduate level interactions in**

clinical practice and theory by expanding the scope of consultation–
Liaison Psychiatry and community Psychiatry

- c) To enhance the standard of Psychometric tests and start using the facilities like fMRI from department of Radiology for prognostic outcome
- d) To enhance our postgraduate yearly intake from 1 MD candidate to 2 MD seats per year
- e) Improve our collaborations with national committees and premier institutes in clinical research
- f) To establish the laboratory of cognitive neuroscience.

ANNEXURES FROM PSYCHIATRY

ANNEXURE I A PUBLICATIONS

1. Behere PB, Rathod AV, Behere AP

A journey from Indian Lunacy Act 1912 to Indian Mental Health Act 1987 & Draft amendment. (Guest Editorial).

Indian J forensic Med Pathol 2010; 3(4): 125-128

2. Behere PB, Bhise MC.

Farmer's suicides in central rural india : where are we heading? (Guest editorial)

Indian J Social Psychiatry, 2010; 26:1-2

3. Singh KK, Chandurkar MB, Kumawat K, Behere PB.

Delirium and depression in advanced Cancer: Forensic aspects.

Forensic Med and pathol 2010;3(3) :103-107

4. Khairkar P, Bang G, Basak A, Agrawal G, Rathi R.

Free testosterone level emerging as a biomarker in Psychotropic induced sexual dysfunction in both the genders.

Asian J Psychiatry 2011; 4(3):S296

5. Khairkar P, Malhotra S, Marwaha R.

Growing up with the families of beta-thalassemia major using an accelerated longitudinal design from northern India .*European Psychiatry* 2011; 26: S381

6. Behere PB, Reddy S.

Schizophrenia chained to tree for 15 years: where we stand under Mental Health Act1987.

*Indian Forensic Medicine Pathol*2011; 4(2):53-57

7. Behere SP, Yadav R, Behere PB.

A comparative study of stress among students of medicine, Engineering and Nursing.

Indian J Psychol Med 2011; 33(2):145-8 (PMID: 22345838)

8. Singam AP, Mamarde A, Behere PB

A Single Blind Comparative Clinical Study of the effects of Chlorpromazine and Risperidone on Positive and Negative Symptoms in patients of Schizophrenia.

Indian Psychol Med 2011; 32 (2): 134-140 (PMID:22345836)

9. Khairkar P

Utility and validity of common and uncommon sampling methods in medical or bioengineering research. *Journal of Biomet* 2012; 3(1):155-57.

10. Behere PB, Rao TSS, Verma K.

Effect of marriage on pre-existing Psychosis (Editorial) *Indian J Psychiatry* 2012; 53 (4): 287-288 (PMID: 2230-3035)

11. Khairkar P, Diwan S.

Late onset co-morbid obsessive compulsive disorder and narcolepsy after perfect blend of thalamo-striatal stroke and post-streptococcal infection. (Letter to editor)

J Neuropsychiatry ClinNeurosci 2012 fall; 24 (4): E29-31

12. Khairkar P, Diwan S.

Late onset co-morbid obsessive compulsive disorder and narcolepsy after perfect blend of thalamo- striatal stroke and post-streptococcal infection. (Letter to editor)

J Neuropsychiatry ClinNeurosci 2012 Fall; 24 (4):E29-31

13. Khairkar P, Gupta N, Verma S.

Zotepine-induced seizures in a chronic case of treatment resistant paranoid schizophrenia.

Indian J Pharmacol 2013; 45(1): 95-98.

14. Gupta N, Khairkar P, Verma SK.

Zotepine-induced Seizures in chronic case of treatment resistant paranoid schizophrenia.

*Indian J Pharmacol*2013; 45(1):95-98.

15. Khairkar P, Pathak C, Lakhkar B, Sarode R, Vagha J, Jagzape T, Damke S, Saoji N

A 5-year hospital prevalence of child & adolescent psychiatry disorders from central India

*Indian J Pediatr*2013, 80(10):826-831

16. Reddy SM, Khairkar P, Jajoo U

70 hours of coma by clozapine intoxication

J Neuropsychiatry ClinNeurosci 2013 fall; 25(4):E22-3.(PMID:24247875)

17. Mishra KK, Reddy S, Khairkar P

Genital self-mutilation in a suicide attempt: a rare sequel of a hypochondrical delusion of infection with HIV.

Int J STD AIDS 2014; 25(4):312-4. (PMID: 24021211)

18. Mishra KK, Reddy S, Khairkar P.

Genital self-mutilation in a suicide attempt: a rare sequel of a hypochondriacal delusion of infection with HIV. *Int J STD AIDS* 2014; 25(4):312-4 (PMID: 24021211)

19. Grover S, Avasthi A, Shah S, Lakdawala B, Chakraborty K, Nebhinani N, Kallivayalil RA, Dalal PK, Sinha V, Khairkar P, Mukerjee DG, Thara R, Behere P, Chauhan N, Thirunavukarasu M, Malhotra S.

Indian Psychiatric Society multicentric study on assessment of health-care needs of patients with severe mental illnesses. *Indian J Psychiatry* 2015; 57(1):43-50 (PMID: 25657456)

20. Grover S, Avasthi A, Shah S, Lakdawala B, Chakraborty K, Nebhinani N, Kallivayalil RA, Dalal PK, Sinha V, Khairkar P, Mukerjee DG, Thara R, Behere P, Chauhan N, Thirunavukarasu M, Malhotra S.

Indian Psychiatric Society multicentric study on assessment of health-care needs of patients with severe mental illnesses as perceived by their family caregivers and health-care providers. *Indian J Psychiatry* 2015; 57(2):181-9 (PMID: 26124525)

21. Gadewar P, Acharya S, Khairkar P, Shukla S, Mahajan SN.

Dynamics of Electroencephalogram (EEG) in different stages of chronic kidney disease. *J ClinDiagn Res* 2015; 9(3): OC25-OC27. (PMID: 25954651)

22. Khairkar P.

Subliminal therapy: Using the mind to heal. *J Mahatma Gandhi Inst Med Sci* 2016;21:84-5

ANNEXURE VIII: MD THESIS

Sr. No	Year	Name of the student	Name of the Guide	Title of Project/Paper
1	2010-11	Dr. Kiran Verma	Prof. Prakash Behere	Effect of Marriage on pre-existing mental illness
2	2011-12	Dr. Neha Gupta	Prof. Praveen Khairkar	Comparative assessment of burden of Care, Quality of Life and Coping between caregivers of Schizophrenia versus Alcohol dependence Syndrome
3	2012-13	Dr. Ramdas Ransingh	Prof. Praveen Khairkar	Comparative study of Relationship between Personality Disorders, Personality Traits, IQ and Human ABO and Rh Blood Group Phenotypes
4	2013-14	Dr. Aditi Jain	Prof. Praveen	Evaluation of Relationship of Language Abnormalities to

			Khairkar	Schneiderian First Rank Symptoms and Their Degree of Improvement With Antipsychotics :A Short-term, Prospective, Naturalistic,Open-label,Case-control Study”
5	2014-15	Dr. Sneh Babhulkar	Prof. Praveen Khairkar	Correlation between Neurological Soft Signs, Visual Evoked Potential and Minor Physical Anomalies in Positive versus Negative Symptom Patients of Schizophrenia.
6	2015-16	Dr. Vinay Kumar	Prof. Praveen Khairkar	Assessing the Relationship of ABO & Rh Blood Groups with Dhat Syndrome and its Psychiatric Comorbidities: A Preliminary Study

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

Sr. No	Year	Conferences/Workshops organized by department of Psychiatry	Funding	Participants
1	2012-13	International Conference on Neuropsychopharmacology	Yes, from ICMR, MCI, MUHS	180+

DEPARTMENT OF ANESTHESIOLOGY

1. Name of the Department : Anesthesiology
2. Year of establishment: 1970
3. Is the Department part of a college/Faculty of the university? Yes, the department is part of the MGIMS. MGIMS is affiliated to Maharashtra University of Health Sciences, Nashik
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) :
 - Ñ Masters in Anesthesiology (MD)
 - Ñ Diploma in Anesthesiology (DA)
5. Interdisciplinary programs and departments involved:

Emergency Medical and Obstetric Care (EMoC) programme: Doctors working at primary health centres are deputed to the Departments of Obstetrics and Anesthesiology to undergo training for emergency management of obstetric patients. This programme is being run by the Ministry of Health & Family Welfare (MoHFW), Government of India.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
 - The faculty of the Dept of Anesthesiology is involved in running the . **MGIMS Institute for Simulation based Training (MIST-Sevagram).** MIST was established at MGIMS to train doctors and paramedical staff in life support skills. American Heart Association (AHA) accredited basic and advanced cardiovascular life support (BLS and ACLS) courses are conducted in collaboration with TACT Chennai Academy
 - **National Emergency Life Support (NELS) programme:** The Director General of Health services (DGHS) and the Ministry of Health and Family Welfare (MOHFW) of the Govt of India have chosen MGIMS among the first five centres in India to build a centralized state-of-the-art simulation and skills lab under their National Emergency Life Support (NELS) programme. The NELS project is an initiative undertaken by the MOHFW to implement a ‘made in India’ simulation curriculum to help doctors and paramedics deal with lifesaving emergency situations which they encounter in their everyday practice.
7. Details of programs discontinued, if any, with reasons :---
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Annual**
9. Participation of the department in the courses offered by other departments: --
 - During the internship orientation programme, interns are trained in

providing Basic Life Support (BLS) every year by the Department of Anesthesiology.

- The Department of Anesthesiology also is involved with teaching life saving skills to doctors posted in the OBGY department under the EMOc project. It has trained more than 40 doctors so far

10. Number of teaching posts sanctioned, filled and actual(Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor/Reader	3	3	3
Assistant Professor	5	5	4
Lecturer			
Tutor / Clinical Instructor			
Senior Resident	4	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No.of Years of Experience
Dr.Sucheta Tidke	MBBS,MD	Professor & Head	Anesthesiology	25 yrs.
Dr.Pradeep Dhande	MBBS,MD	Professor	Anesthesiology	24 yrs.
Dr.Sudha Jain	MBBS,MD	Professor	Anesthesiology	21 yrs.11 mon
Dr.Benhur Premendran	MBBS,MD	Associate Professor	Anesthesiology	9 years & 8 months
Dr.Ram Nandan Prasad	MBBS,MD	Associate Professor	Anesthesiology	8 years & 4 months.
Dr.Dhiraj Bhandari	MBBS, MD,DNB, MNAMS, PDCC (Cardiac Anesthesia) IDCCM (Critical Care Medicine)	Associate Professor	Anesthesiology	5 years & 11 months.
Dr.Amita Sahoo	MBBS,DA,DNB	Assistant Prof	Anesthesiology	1 yrs.9 months

Name	Qualification	Designation	Specialization	No.of Years of Experience
Dr.Rachana Bargodia	MBBS.MD,	Assistant Prof	Anesthesiology	9 months.
Dr.Amol Bele	MBBS.MD,	Assistant Prof	Anesthesiology	8 months
Dr.Mrinalini Fulzele	MBBS,DA	Senior Resident	Anesthesiology	13 yrs, 6 mon.
Dr.Monotosh Pramnik	MBBS,MD	Senior Resident	Anesthesiology	8 months.
Dr Rahul Poddar	MBBS,MD	Senior Resident	Anesthesiology	3 months
Dr Pavan Singh Rahangdale	MBBS,MD	Senior Resident	Anesthesiology	3 months
Dr Priyanka Patil	MBBS,MD	Senior Resident	Anesthesiology	2 months
Dr Mohar Jhakar	MBBS,MD	Senior Resident	Anesthesiology	2 months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: ----
13. Percentage of classes taken by temporary faculty – program-wise information :
14. Program-wise Student Teacher Ratio: ---
MD=1: 1 ratio
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Technical Staff	Sanctioned	Filled
Administrative Staff (Clerk)	2	1
Technical Staff	4	4

16. Research thrust areas as recognized by major funding agencies: Simulation based Training
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. :

National Emergency Life Support (NELS) project

Funded by MoHFW, GOI

Rs 2.6 Crores

The Director General of Health services (DGHS) and the Ministry of Health and Family Welfare (MOHFW) of the Govt of India have chosen MGIMS among the first five centres in India to build a centralized state-of-the-art simulation and skills lab under their National Emergency Life Support (NELS) programme. The NELS project is an initiative undertaken by the MOHFW to implement a 'made in India' simulation curriculum to help doctors and paramedics deal with lifesaving emergency situations which they encounter in their everyday practice. The Department is part of this Institutional NELS project. The construction of the simulation centre is on and is expected to be complete by the end of 2016.

18. Inter-institutional collaborative projects and associated grants received

National collaboration b) International collaboration: -----

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with:

State recognition

National recognition

International recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies.: Nil

22. Publications: (Please find the list attached as annexure I)

Number of papers published in peer reviewed journals (national / international) :

17 . (See **ANNEXURE I A**)

Monographs:

Chapters in Books:

Books edited:

Books with ISBN with details of publishers: -

Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):

Citation Index – range / average :

Dr Dhiraj Bhandari: 10

SNIP

SJR

Impact Factor – range / average

h-index : Dr Dhiraj Bhandari: 1

23. Details of patents and income generated :
24. Areas of consultancy and income generated :
 Institute policy does not permit taking financial incentives for consultancy.
 However, we provide expert assistance to GOI in the following areas:
 EmOC Training project: Doctors working with PHC are deputed in Ob/Gyn and Anesthesiology department to undergo training for emergency management of obstetric patients. MGIMS is one of the recognized centres by the GOI for the same.
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : See **Annexure II**
26. Faculty serving in
 a) National committees b) International committees c) Editorial Boards d) any other (specify)
 See **Annexure III**
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). See **Annexure IV A, Annexure IV B, Annexure IV C, Annexure IV D, Annexure IV E**
28. Student projects
 Percentage of students who have taken up in-house projects including inter-departmental projects: See **Annexure VIII**
29. Awards / recognitions received at the national and international level by Faculty/ Doctoral / Post-doctoral fellows/ Students: See **Annexure V**
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. See **Annexure VI**
31. Code of ethics for research followed by the departments
All the research projects are sent to Institutional Ethics Committee for approval and only after approval the projects are conducted in the department.
32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011- MD/ DA	205	2	1	M:F	2:2
2012- MD/ DA	149	3	0	M:F	1:1
2013- MD/ DA	191	4	1	M:F	0:3
2014- MD/ DA	265	3	2	M:F	3:0
2015- MD/ DA	247	2	3	M:F	3:0

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2011- MD/ DA	100%	----	----	----
2012- MD/ DA	100%	20%	----	----
2013- MD/ DA	80%	20%	----	----
2014- MD/ DA	100%	----	----	----
2015 – MD/DA	100%	----	----	----
2016- MD/ DA	100%	----	----	----

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	100% enrolled programme
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	1
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	5
from other universities within the State	5
from universities from other States	2
from universities outside the country	--

37. Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to:

- b) Library: Total no of books 134
- c) Purchase of latest editions: 34
- d) Journals subscribed : 7

b) Internet facilities for staff and students: **Whole campus is Wi-Fi enabled, all faculty and postgraduates in the department have access to internet**

c) Total number of class rooms: Seminar Room: one
Auditorium: one

d) Class rooms with ICT facility and ‘smart’ class rooms: **Yes, the seminar room has LCD projector with inbuilt CPU and sound system. These are Wi-Fi enabled.**

e) Students’ laboratories: **Centralized laboratory**

f) Research laboratories: **Centralized laboratory**

39. List of doctoral, post-doctoral students and Research Associates :

- a) From the host institution/university:
- b) From other institutions/universities:

Sr No	Name of the Student / faculty	Course completed/ During	University
1	Dr Dhiraj Bhandari, Assistant Professor	PDCC – Cardiac Anesthesiology Jan- Dec 2012	Shri Chitra Thirumal Institute of Medical Sciences, Thiruvananthapuram, Kerala.
2.	Dr Dhiraj Bhandari, Assistant Professor	IDCCM- Critical Care Medicine May 2013 – May 2014	Indian Society of Critical Care Medicine accredited SMF hospitals, Chennai, Tamil Nadu.

40. Number of post graduate students getting financial assistance from the university.

From 2011 – 2016: 7

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

This exercise is undertaken at level of MUHS. The staff members who are on the BOS represent our feedback to university.

42. Does the department obtain feedback from:

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Feedback is obtained from the faculty and the department in the monthly departmental meetings. Teaching methodologies, clinical skills development, patient care, and professional development activities for faculty and staff are discussed. Appropriate suggestions are then followed up by the HOD and senior faculty with the higher management authorities

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

A formal meeting with postgraduates of the department is held every three months and feedback is taken from them about academics, clinical care of the patients and other things concerned with the department. Also postgraduates are encouraged to come and freely talk with faculty from department at any point of time. Also postgraduates are evaluated and progress report sent every 6 months to the Dean office.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Every year alumni of the institute meet in December weekend for their 25th anniversary of joining the Institute. The alumni visit their respective departments. The suggestions of alumni are noted in informal discussion and appropriate suggestions are followed up with higher management authorities.

43. List the distinguished alumni of the department (maximum 10)

Sr No	Name of the alumni	Present Designation
1.	Dr Anjali Bhure	Professor & head, Anesthesiology at NKP Salve Institute of Medical Sciences, Nagpur. Governing Council member, Indian Society of Anesthesiologists (ISA).
2.	Dr Pratima Kothare	Senior consultant Anesthesiologist, Bombay Hospital, Mumbai
3.	Dr Radhika Marwah	Specialist Anesthesiologist and Pain physician, Toronto, Canada.
4.	Dr Rajiv Gambhir	Pediatric Anesthesiologist, Denmark.
5.	Dr Mudit Kumar	Consultant specialist Anesthesiologist, UK
6.	Dr Sanjot Dahake	Professor & Head, Anesthesiology at JNMC, Sawangi Meghe. Past president: ISA – Wardha
7.	Dr. Harshwardhan Tikle	Professor Anesthesiology at T. Nair Medical College, Mumbai
8.	Dr T Ravi	Specialist Anesthesiologist, UK.
9.	Dr Seema Mishra	Professor Anesthesiology, AIIMS New Delhi.
10.	Dr Kajal Jain	Professor Anesthesiology, PGI Chandigarh.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. See **Annexure VI**

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Department uses Class room and bedside teaching methodologies.
- Classroom methodology involves laptop-LCD projector, Whiteboard for teaching methodology.
- Department has a well-equipped skills lab for teaching cardio pulmonary resuscitation and airway management. Regular AHA accredited workshops also have been started in the department since last one year. Details in Annexure VI

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Evaluation done through:

- Results of classroom/ internal assessment
- University results
- Faculty feedback
- Student feedback

47. Highlight the participation of students and faculty in extension activities.

- The department of Anesthesiology has been active since the inception of the Sushila Nayar Hospital at Utawali in tribal areas of Melghat. Anesthetists provide anesthetic and resuscitation services to the patients at Melghat. A postgraduate student and Consultant from the Department of Anesthesiology are posted in rotation at the hospital. Anesthesiology department also provides the necessary anesthetic expertise in the yearly surgical camps which are held in the Melghat hospital.
- The department of Anesthesiology conducts yearly awareness campaigns regarding Anesthesiology for laymen in Wardha city in collaboration with ISA Wardha city branch.

48. Give details of “beyond syllabus scholarly activities” of the department.

The MGIMS Institute for Simulation based Training (MIST-Sevagram) was established at MGIMS under the Department of Anesthesiology to train doctors and paramedical staffs in life support skills. **The project funded by KHS, worth**

about Rs 40 lakhs, has already procured mannequins to teach participants CPR during AHA accredited basic life support skills (BLS) and advanced cardiovascular life support skills (ACLS) courses, which are in line with the latest 2015 training guidelines of the American Heart Association (AHA). The lab also has a critical care simulation advanced mannequin which is first of its kind in whole of central India. In 2015-16, MIST-Sevagram has conducted two AHA-accredited BLS and ACLS workshops and trained 42 participants. Participants no longer have to travel to metros to receive quality training, as life saving skills training has been brought to Central India at much lower costs. MIST-Sevagram conducts American Heart Association (AHA) accredited basic and advanced cardiovascular life support (BLS and ACLS) courses in collaboration with TACT Chennai Academy

Emergency Medical and Obstetric Care (EMoC) programme: Doctors working at primary health centres are deputed to the Departments of Obstetrics and Anesthesiology to undergo training for emergency management of obstetric patients. This programme is being run by the Ministry of Health & Family Welfare (MoHFW), Government of India. The Department of Anesthesiology has been involved with this project right from its inception and has so far trained more than 20 doctors. The Department of Anesthesiology also is involved with teaching life support skills to doctors posted in the Ob/Gyn department under the EMOC project and has trained more than 40 doctors so far.

National Emergency Life Support (NELS) programme: The Director General of Health services (DGHS) and the Ministry of Health and Family Welfare (MOHFW) of the Govt of India have chosen MGIMS among the first five centres in India to build a centralized state-of-the-art simulation and skills lab under their National Emergency Life Support (NELS) programme. The NELS project is an initiative undertaken by the MOHFW to implement a ‘made in India’ simulation curriculum to help doctors and paramedics deal with lifesaving emergency situations which they encounter in their everyday practice. The programme will be run by the Department of Anesthesia along with other clinical departments of MGIMS. The programme intends to provide basic life support training to interns, paramedics and doctors in the public health services right from primary health centres to the level of district hospital. **MOHFW has sanctioned Rs 2.68 crores for this project in order to renovate existing structures and establish state-of-the-art simulation and skills labs. MGIMS has already received Rs one crore which will be used to procure simulation mannequins for training.** Around fifteen faculty members will be trained by MOHFW to become instructors who will begin training by January 2017.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- The department of Anesthesiology is recognized by Medical Council of India for conducting postgraduate courses in Anesthesiology.
Date of recognition
MBBS 65 seats: 1976
MBBS: 100 seats: 2012
MD Anesthesia: 15 Feb 2013 (Pg seats increased from 2 to 4)
- MIST-Sevagram is accredited by American Heart Association (AHA) to conduct basic and advanced cardiovascular life support (BLS and ACLS) courses in collaboration with TACT Chennai Academy

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Faculty from the department along with postgraduate students take up various research projects and present them during various scientific conferences as well as in various peer reviewed scientific journals. List can be found in Annexure IA

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- The staff is dedicated and committed towards its work.
- The department has state of the art operation theatres and equipment. These are probably one of the best facilities adhering to the latest standards in whole of the central India comparable to any public or private health care facilities.
- The department understands the concept that with an individual employee's growth, the organization grows with leaps and bounds. The department has always encouraged and facilitated individual academic growth in the best possible way. E.g. sending faculty for fellowships training.
- The Department of Anesthesiology has always set up a high standard both in ethics as well as in giving their patients best evidence based clinical care
- Training programme for the postgraduates is being carried out in the most possible standard way. Other than the departmental teachings, postgraduates are encouraged to actively participate in conferences and workshops.
- Department leads the way in simulation based training for life threatening

emergencies. This is a new addition to the department's existing activities.

Weaknesses:

- Various subspecialties of Anesthesiology like Pain management services, critical care services, palliative care needs to be further upgraded.
- There needs to be further emphasis on high quality research being conducted in the department.

Opportunities:

- Department presently have a diverse faculty with clinical interest / training in varying subspecialties of Anesthesiology. This needs to be converted into an opportunity wherein the subspecialties of Anesthesiology can be further developed. Department is striving hard to expand its clinical and patient care domain to include critical care and pain management services even further. It has support from higher management authorities in terms of monetary and man power expansion.
- The state of art operation theatres and equipment along with the adequate manpower in the department can be translated into an arena where in the department can become a well-recognized training center for postgraduates, post-doctoral courses in different aspects of Anesthesiology for students within and outside the department.
- Department has recently acquired state of the art simulation mannequins and other equipment for the same purpose. This along with recognition of the Institute for NELS project can translate department becoming a well-recognized simulation based training Institute.

Challenges:

- The finding of adequate manpower willing to stay for long time in the department and contribute to progress of the department is always a challenge. Retaining of skilled and dedicated man power is a must for the progress of any department and individual.

52. Future plans of the department.

- The department also is planning to expand its clinical patient care by further upgrading critical care and pain management services.
- "NELS "project is expected to be started functioning by January 2017.
- The Department plans to start Post-Doctoral fellowship programme in super specialty stream of Anesthesia like Neuroanesthesiology and Critical care medicine.

ANNEXURES FROM ANESTHESIOLOGY

ANNEXURE I A: PUBLICATIONS

- 1. Sharma V, Premendran B, Dongre H, Domkondwar U.**
The efficacy of music in lowering intra-operative sedation requirement and recall of intra-operative processes.
IOSR J Pharmacy May-June 2012; 2 (3): 569-578
- 2. Dongre H, Sharma V, Premendran B, Dongre A, Tidke S.**
The efficacy of esmolol and nitroglycerine in creating dry operative field by producing controlled hypotension in spinal surgeries.
IOSR J Pharmacy July 2012; 2 (4):26-33
- 3. Premendran B, Sharma V, Sohkhia E, Dhande P, Jain S.**
Comparison of haemodynamic effects and seizure activity during modified ECT with thiopentone and propofol used as inducing agents.
IOSR J Pharmacy July 2012; 2 (4):34-48
- 4. Bhandari D, Tidke S, Sharma V, Dongre H, Garg D, Dhande P.**
Hemodynamic changes associated with laparoscopic cholecystectomy: Effect of oral clonidine premedication.
IOSR J Pharmacy July 2012; 2 (4):72-77
- 5. Premendran J, Premendran B, Jayasree T, Siresha JV, Kota K, Venkateshwarlu P, Kalwa V, Sharma V.**
A comparative study of certain pharmacological effects of lidocaine and ropivacaine
IOSR J Pharmacy July 2012; 2 (4):54-61
- 6. Sharma V, Mahalle A, Bele A, Premendran B.**
Airway management in a patient of traumatic cervical spine fracture subluxation with ankylosing spondylitis presenting for emergency spine surgery— A case report.
IOSR J Dent Med Sci 2014; 13(1): 71-73

7. **Bhure A, Kalita N, Ingley P, Bhargava S.**
Femoral neuropathy after vaginal hysterectomy under spinal anaesthesia: a rare case report.
People's J Sci Res 2014;7(1):51-54.
8. **Bhure A, Ingley P, Ramkrishna, Kalita N.**
Comparison of intrathecal bupivacaine with ropivacaine in two different strengths for quality of anaesthesia and post operative analgesia in lower abdomen hernia surgery.
IOSR J Pharm 2014; 4(2):120-125.
9. **Bhaskar S, Sharma V, Jain S, Domkondwar U.**
A comparative study of hemodynamic variability and emergence characteristics of Halothane and Sevoflurane anesthesia in pediatric patients.
The Health Agends 2014; 2(2): 44- 47
10. **Tidke SN, Roul BN, Tidke SS.**
Morphology of knee joint of Tetrapod – class Mammalia – Genus – Hipposideros – Species – Armiger (Bat) To Mammals (Human beings).
Int J Life Sci Biotechnol Pharma Res 2013; 2 (2): 149-157.
11. **Tidke SN, Tidke SS.**
Morphology of knee joint of Tetrapod- Class-Reptilia-Genus-Calotes-SpeciesVersicolor (Garden Lizard) to Mammals.
Int J Life SciBiotechnol Pharma Res 2013; 2(3):319–329.
12. **Tidke SN, Tidke SS.**
Morphology of Knee Joint - Class- Aves - Genus - Gallus, - Species - Domesticus (Chicken) to Mammals (Human Being).
Int J Life SciBiotechnol Pharma Res 2013; 2(4):137-144.
13. **Tidke SN, Tidke SS.**
Comparative anatomy of knee joint: Class Amphibian (Frog) versus Class Mamalia (Human Being).
Scholars J Appl Med Sci 2013; 1(5):560-567.
14. **Sharma VS, Tidke S, Premendran BJ.**

A comparative study of overall efficacy and hemodynamic effects following blind oro-tracheal intubation with ILMA vs. conventional direct laryngoscopy guided intubation with Macintosh laryngoscope.
Int J Clinical Trials 2014; 1(2):31-36

15. Bhandari DB, Mahalle AR, Premendran BJ, Dhande PS.

Malfunctioning pediatric infusion set leading to accidental fluid overload and pulmonary edema.

J AnaesthesiolClinPharmacol 2014; 30(4):579-581. (PMID: 25425797)

16. Bhandari D, Garg D, Chandankhede S, Sharma V, Premendran B, Tidke S.

Fibreoptic bronchoscope for nasogastric tube placement.

The Indian Anesthetists' Forum Internet 2015; 16(19):1-4

17. Garg D, Bhandari D, De S, Gadge S, Malgonde M, Tyagi V, Nagpure PS.

Tracheostomy tube cuff puncture during insertion of tracheostomy tube: an unusual overlooked complication during tracheostomy.

Int J Health Sciences & Research 2015; 5(8): 644

ANNEXURE II: GUEST LECTURES AND TASK FORCE MEETINGS

1. Jain S. Deep vein thrombosis prophylaxis. (Guest lecture) Workshop on Deep vein thrombosis and pulmonary embolism JNMC, SawangiMeghe, 18 Mar 2012.
2. Jain S. Anesthetic Management of patients with previous stroke. 9th WISACON & Gujarat State Annual Conference, Ahmedabad, 14 Oct 2012.
3. Premendran B. Advanced Cardiac Life Support (Guest lecture) "Rejoice 2012" Padhar Hospital, Betul MP, 19 Oct 2012
4. Jain S. Spinal and caudal anesthetic techniques in children for intra-operative and post operative pain relief. 10th SAARC Association of Anesthesiologists' Congress Dhaka, Bangladesh, 24 Feb 2013
5. Jain S. Annual West Zone Anesthesia conference (RAJWISACON 2013) Anaesthetic Management of Obese, Udaipur, Rajasthan, 27 – 29 Sep 2013.

6. Jain S. CPR-BLS (Cardiopulmonary Resuscitation – Basic Life Support) for Medical Officers and Health Workers. (Guest Lecture) Melghat, Utawali, 31 Oct 2013.
7. Jain S. Endo-tracheal tube Vs. SGA for Laparoscopic Surgery (Debate) 1st Maharashtra State Biennial CME – 2013 I.M.A. Hall, Nagpur, 23 – 24 Nov 2013.
8. Tidke S. Internal counselor programme on NABH Standards. Quality Council of India, MGIMS, Sevagram, Wardha, 25 – 27 Oct 2013.
9. Premendran B. Meeting on POISE – 2 Study (Clinical Trial) Washington D.C, USA, 28 – 29 Mar 2014.
10. Bhandari D Transport of Critically ill patients: Evidences and Practice (Guest Faculty) 21st Annual Conference of Indian Society of Critical Care Medicine (CRITICARE 2015) Bengaluru, 4-8 Mar 2015.

ANNEXURE III: EXTRAINSTITUTIONAL RESPONSIBILITIES

A. National committees:

1. Dr Sucheta Tidke: ISA Wardha city branch: President.
2. Dr Sudha Jain: ISA Wardha city branch: Governing Council member.
3. Dr Vijay Sharma: ISA Wardha city branch: Secretary.
4. Dr Sucheta Tidke: Assessor for DNB Anesthesia seats accreditation
5. Dr Sucheta Tidke, Dr Sudha Jain, Dr PS Dhande: DNB examiners

B. Editorial Board:

1. Dr Sucheta Tidke: Editorial Board, Journal of MGIMS.

ANNEXURE IV A: CONFERENCES ATTENDED

2011-2012

Bhandari D, Sharma V, Yeole S, Tidke S, Jain S. HEMCON Nagpur, 18 Jan 2011

Sharma V, Niranjana A. ISACON, SGPGI Lucknow, 8 Dec 2010

2012-2013

Dhande P, Tidke S, Jain S, Yadav M, Charde K, Chandankhede S CME on Nutrition in ICU DMIMS SawangiMeghe , 22 Jul 2012

Khiangte A INDUSEM Emergency Medicon Summit AIIMS, New Delhi, Sep 2012

Charde K ,Chandankhede S, Khiangte A, Bele A CME on Airway Management DMIMS, Sawangi Wardha, 28 Oct 2012

Tidke S National Conference on Difficult Airway Tata Memorial Hospital, Mumbai, 30 Nov-2 Dec 2013

Jain S CME on Update in Obstetric Anesthesia ISA (Nagpur City Branch), Nagpur, 2 Dec 2012

Dhande P, Sharma V, Chandankhede S, Charde K 60th Annual Conference of Indian Society of Anesthesiologists (ISACON-2012) Indore, 26-29 Dec 2012

Mahalle A National Conference of Pain (ISSPCON) Nagpur, 1-3 Feb 2013

2013-2014

Jain S. CME on Pain Management & Installation ceremony of ISSP, Nagpur city branch, Near Nagpur Airport, 13 Jul 2013

Dhande P, Tidke S, Jain S, Premendran B, Sharma V, Mahalle A, Khobragade P, Fulzele M, Yeole S, Chandankhede S, Yadav M, Khiangte A, Bele A, Sarkar C , Podder R, Patil P, Singh P. CME on 'Pain Management – An arena to explore' in collaboration with 'Travelling Pain School', Hyderabad Dept. of Anesthesiology, MGIMS, Sevagram, 14 Jul 2014.

Dhande P, Tidke S, Chandankhede S, Singh P. 29th Annual South Zone ISA Conference PONSZAC, Anesthesia Conference, Tamil Nadu Medical Council Puducherry, 23 - 25 Aug 2013

Dhande P, Khiangte A. 37th Annual State Conference of Indian Society of Anesthesiologists, ISACON, Kerala, 25-27 Oct 2013

Dhande P, Ingley P. 1st Maharashtra State Biennial CME – 2013 I.M.A. Hall, Nagpur, 23 – 24 Nov 2013.

Tidke S, Jain S, Verma A, Verma A, Kurundwadkar M. CME - Neuro anesthesia Dept. of Anaesthesiology, JNMC, DMIMS, Sawangi (Meghe), 2 Mar 2014.

Jain S, Sharma V, Fulzele M, Bele A, Sarkar C , Podder R, Jakhar M, Patil P, Singh P, Pawaskar S, Yadav N, Lambe A, Verma A. CME on 'Current Concepts and Latest

Trends in Caesarean Section' Dept. of Obstetrics &Gynaecology, MGIMS, Sevagram & SWOGS, Wardha 28 Mar 2014

2014-2015

Tidke S. Minimum Standards in OT and Anesthesia Checklist Regional CME on "Safety First" MGIMS, Sevagram 27 Jul 2014

Jain S. Paper presentation for post graduates Indian Society for Anesthesiology, Nagpur, 12 Dec 2014

Tidke S, Jain S. World Anesthesia Day JNMC Sawangi, 16 Oct 2014

Jain S. National CME on Infertility JNMC Sawangi, 22-23 Aug 2014

Jain S. Pharmacotherapy of pain management CME on Emerging trends in acute pain management. Indian Society for study of Pain & Indian Society of Anesthesiologists, Nagpur city branch Nagpur, 27 Jul 2014

Tidke S. CME on Regional Anesthesia Beyond Comfort Zone Nagpur, 16 Nov 2014

Tidke S, Jain S CME on Diabetes Mellitus and Anesthesia JNMC, Sawangi (Meghe), 23 Nov 2014

Premendran B. National Airway Conference (NAC – 2014) Tata Memorial Hospital, Mumbai, 28 Nov - 01 Dec 2014

Sharma V, Sarkar C, Bele A. Annual National Conference of Indian Society of Anesthesiologists (ISACON 2014) Madurai, Tamilnadu 25-29 Dec 2014

Sarkar C, Bele A, Pawaskar S. RACE 2015 Ramchandra Institute of Medical Sciences Chennai, 6 - 8 Feb 2015

2015-2016

Tidke S, Dhande P, Jain S CME on Basics of Mechanical Ventilation Dept of Anesthesiology, MGIMS, Sevagram, 4 Apr 2015.

Jain S. Neurostimulation and Ultrasound: when is it rational to combine these two modalities? Pediatric Neuraxial blocks: Current Concepts Nagpur by ISA-Nagpur, 18 Oct 2015.

Jain S. CME on Basics of Airway Management and Non-invasive ventilation: Troubleshooting. Kasturba Nursing College, Sevagram, 23 Feb 2016.

Tidke S, Jain S, Verma A, Bhugra N. National Airway Conference 2015 Gulmarg and Srinagar, 10 Sep 2015.

Sharma V, Kumari P, Bhandari D, Patil P. ISACON 2015: National Conference of Indian Society of Anesthesiology Indian Society of Anesthesiology, Jaipur, 25 - 29 Dec 2015.

ANNEXURE IV B: COURSES ATTENDED

2011-2012

Mahalle A, Sharma V, Dhawas A. RACE 2011 Chennai, 9 -12 Feb 2011

2012-2013

Bhandari D: Post-Doctoral Certificate Course in Cardiac Anesthesiology SCTIMST, Trivandrum, Kerala, Jan - Dec 2012.

Sharma V: Fogarty International Training Programme for Research Methodology for Non-communicable Diseases, Medicity Institute of Medical Sciences (MIIMS) campus, Hyderabad, 2-6 Mar 2013.

2013-2014

Bhandari D. Fellowship in Critical Care Medicine Sundaram Medical Foundation, Chennai, 17 May 2013 – 30 Jun 2014

Sharma V, Bhandari D. AHA Certified - Basic & Advance cardiac life support (Provider course), Chennai, 10-12 Dec 2013

Sharma V. AHA Certified - Basic & Advance Cardiac life support (Instructor course) Chennai, 19-20 Mar 2014

2014-2015

Bhandari D. Instructor course for Advance Cardiac Life Support workshop TACT- India Chennai, 10-14 Nov 2014.

2015-2016

Fulzele M, Meshram A Annual Refresher Anesthesiology course “EUROCAPS”, New-Delhi ISA Delhi, 4 -11 Sep 2015.

Patil P, Podder R, Singh P, Jhakar M Annual Refresher Anesthesiology course “RACE” Sri Ramachandra Medical College, Chennai, 12-15 Feb 2016.

ANNEXURE IV C: WORKSHOPS ATTENDED

2012-2013

Mahalle A Comprehensive Pain Management (CIPM-V) Mumbai, 8-11 Mar 2012

Mahalle A Basic and Advanced Cadaveric Workshop on pain management Global Update on Pain, Lilavati Hospital, Mumbai, 25-28 Oct 2012

Fulzele M, Chandankhede S, Niranjana A, Yadav M Workshop on Deep vein thrombosis and pulmonary embolism DMIMS, SawangiMeghe, 18 Mar 2012

Jain S, Tidke S, Yeole S, Khiantge A, Yadav M, Niranjana A Workshop on Maternal Near Miss Pilot Project Dept. of Obstetrics & Gynecology, MGIMS, Sevagram, 18 Jul 2012

Dhande P, Jain S, Tidke S, Yeole S, Charde K, Chandankhede S, Verma A Workshop on Airway Management DMIMS, SawangiMeghe, 28 Oct 2012

Tidke S Workshop on Fibre-optic intubation Tata Memorial Hospital, 30 Nov 2012

Tidke S Workshop on Supraglottic Airway devices Tata Memorial Hospital, 1 Dec 2012

Dhande P, Tidke S, Premendran B, Fulzele M, Yeole S, Ingley P, Charde K, Chandankhede S, Verma A, Bele A, Sarkar C MedEqSafe: Workshop on Medical Equipment Safety MGIMS, 22 Jan 2013

Chandankhede S, Charde K 'RACE 2013' Ramchandra Institute of Medical Sciences, Chennai, 25-27 Jan 2013

2013-2014

Dhande P, Tidke S, Chandankhede S, Singh P. Workshop on 'Advanced Anaesthesia Workstations' 29th Annual South Zone ISA Conference, PONSZAC, 2013, JIPMER, Puducherry 23 Aug 2013

Jain S, Yeole S. Workshop on Labour-analgesia. RAJISACON – 2013 and WISACON 2013 RNT Medical College, Udaipur, Rajasthan, 27 Sep 2013.

Jain S, Yeole S. Workshop on USG guided Nerve Blocks. RAJISACON – 2013 and WISACON 2013 RNT Medical College, Udaipur, Rajasthan, 27 Sep 2013.

Tidke S. Internal counselor programme on NABH Standards. Quality Council of India, MGIMS, Sevagram, Wardha, 25 – 27 Oct 2013

Tidke S, Jain S, Sharma V, Fulzele M, Bele A, Sarkar C, Podder R, Jakhar M, Patil P, Singh P, Pawaskar S, Yadav N, Lambe A, Verma A. Workshop on Current Concepts and Latest Trends in Caesarean Section (Skill, Will and Drill) MGIMS, Sevagram, Wardha, 28 Mar 2014

Premendran B. Meeting on POISE – 2 Study (Clinical Trial) Washington D.C, USA, 28 – 29 Mar 2014

2014-2015

Dhande P. Workshop on RAALS 2014 Porur, Chennai, 30 – 31 Aug 2014.

Premendran P. Airway Simulation Workshop in NAC – 2014 Tata Memorial Hospital, Mumbai, 28 Nov- 1 Dec 2014.

Sharma V. Current issues in mechanical ventilation in the intensive care unit Annual National Conference of ISA, Madurai, 25-29 Dec 2014

Sarkar C, Bele A. USG Guided Nerve block Workshop Annual National Conference of ISA, Madurai, Tamilnadu, 25-29 Dec 2014

Premendran B, Bhandari Dhiraj. Neuro- ICU Workshop in CRITICARE 2015 Bengaluru, 7 -10 Mar 2015

2015-2016

Tidke S, Sahoo A, Fulzele M, Verma A, Meshram A, Kumari P, Khandwe A AHA accredited BLS-ACLS course, MIST-Sevagram Department of Anesthesiology, MGIMS, Sevagram, 8 - 10 Jan 2016

Bargodia R, Bele A, Pramanik M , Pawaskar S, Yadav N, Lambe A, Bhushal P AHA accredited BLS-ACLS course, MIST-Sevagram Department of Anesthesiology, MGIMS, Sevagram, 11 - 13 Mar 2016

Tidke S, Jain S, Verma A, Bhugra N Lung isolation and bronchoscopy 6th Annual National Airway Conference, Department of Anesthesiology Sher-E-Kashmir Institute of Medical Sciences, Srinagar, 18 Sep 2015

Singh P, Chauhan S TMC: Difficult Airway Workshop Department of Anesthesiology, Pain and Critical Care Medicine TMC, Mumbai, 4– 6 Dec 2015

Yadav N, Lambe A, Patil P RAALS- Difficult Airway Workshop Department of Anesthesiology, SRMC, Chennai, 15 - 16 Aug 2015

Fulzele M, Sahoo A, Pawaskar S, Jhakar MS, Podder R, Patil P, Singh P, Meshram A. Basics of Ventilation, Department of Anesthesiology, MGIMS, Sevagram, 4 Apr 2015

Jain S, Patil P, Pawaskar S, Lambe A, Yadav N, Meshram A Regional Anesthesia and USG guided nerve blocks AORA (Association of Regional Anesthesia), Nagpur, 18 Oct 2015

ANNEXURE IV D: MEU WORKSHOPS ATTENDED

Basic Workshop on Medical Education Technology: 16-18 Jan 2012:

1. Dr Vijay Sharma

Basic Workshop in Medical Education Technology: 28-30 Aug 2012
MCI Observer from Regional Centre: Dr S Pathak:

1. Dr P S Dhande

Basic Workshop in Medical Education Technology: 19-21 Mar 2013

1. Dr Apurv Mahalle
2. Dr Mrinalini Fulzele

Basic Course Workshop in Medical Education Technology Date : 20-22Jan 2015

1. Dr R N Prasad

ANNEXURE IV E: RESEARCH METHODOLOGY WORKSHOPS ATTENDED

Workshop on Research Methodology for Postgraduate Students: 3-9 Oct 2011:

1. Mahesh Yadav
2. Kiangte Abraham

Workshop in Research Methodology for Post-Graduate students 6-12 Aug 2012:

1. Amol Bele
2. Chayan Sarkar.

Basic Workshop in Research Methodology for faculty 7-12 Jan 2013

1. Dr Sucheta Tidke.

Basic Workshop in Research Methodology for faculty 18-22 Feb 2013:

1. Dr P S Dhande.
2. Dr Benhur Premendran

Workshop on Research Methodology for Post-graduate Students Date: 26-31 Aug 2013:

1. Dr MS Jhakar
2. Dr Priyanka Patil
3. Dr Sachin Pawaskar

Workshop on Research Methodology for Post-graduate Students. Date: 16-21 Dec 2013:

1. Dr Rahul Podder.
2. Dr Pawan Singh

Research Methodology Workshop for Post-graduate Students Date : 4-9 Aug 2014

1. Dr Abhinav Lambe
2. Dr Arjun Verma

Research Methodology Workshop for Post-graduate Students Date : 25-30 Aug 2014

1. Dr Nikhil Yadav
2. Dr Shefali Chauhan

Research Methodology Workshop for Faculty Members Date : 10-15 Nov 2014

1. Dr Vijay Sharma
2. Dr R N Prasad

Research Methodology Workshop for Post-graduate Students & faculty (1 & 2)

Date : 21-26 Sep 2015, 28 Sep - 05 Oct 2015

Date : 21-26 Sep 2015

1. Dr D Bhandari
2. Dr Pushpa Kumari
3. Dr Nikita Bhugra

28 Sep - 05 Oct 2015

1. Dr Pranit Tukaram Bhusal
2. Dr Dipak Thakur
3. Dr Ashwini Khandwe

ANNEXURE V: AWARDS AND FELLOWSHIPS

Postgraduate students who secured positions in examinations conducted by Maharashtra University of Health Sciences (MUHS), Nashik in June 2011

1. Dr Amita Sahoo : First in DA Anesthesiology.

2. Dr Vijay Sharma: second in MD Anesthesiology.
3. Dr Vaijyanthi Sharma : Third in MD Anesthesiology

Dr. Dhiraj Bhandari received the Dr. Vijayalaxmi Kamat award for the best performing candidate for IDCCM exams 2014 at the convocation ceremony of Indian college of Critical Care Medicine at Bangalore, 4- 8 Mar 2015.

Dr Dhiraj Bhandari received the “young Talent Hunt” competition award organized by Indian society of Critical Care Medicine. He was therefore invited as a guest faculty to talk on” Transport of critically ill patients” at CRITICON 2015 at Bangalore.

Dr Dhiraj Bhandari received certificate of appreciation for preparing ICU information booklet for Indian Scenario at competition held by ISCCM (Indian Society of Critical Care Medicine). His booklet has been archived by the ISCCM at their website along with seven other booklets selected by ISCCM to be used in ICUs across the country. The booklet can be found at the website <http://www.isccm.org/icu.aspx>.

Dr Dhiraj Bhandari received the ISH Naraini best e-poster award at ISACON - 2015 (National Conference of Indian Society of Anesthesiologists) at Jaipur for his presentation titled “Fibreoptic bronchoscope directed to esophagus willfully for passage of Ryles tube in a post-radiotherapy patient of oral malignancy”.

Dr Rahul Podder, Dr MoharsinghJhakar, Dr Priyanka Patil and Dr Pawan Singh won runners-up trophy at ISAVidarbha level PG quiz competition held by ISA – Nagpur in Aug 2016 at Nagpur.

Dr Shefali Chauhan (Anesthesia), Dr Piyush N (Medicine), Dr Reema (Medicine) won bronze medal for securing third position at ISCCM 1st interdisciplinary PG Critical Care Vidarbha level quiz competition conducted by ISCCM, Nagpur in Sep 2016.

Dr Priyanka Patil received a certificate of appreciation for securing 9th rank at the All India Anesthesiology PG quiz competition at ISACON 2015, Jaipur.

ANNEXURE VI: ACADEMIC ACTIVITIES ORGANIZED

1. Theme : CME on Medical Equipment Safety : “MedEqSafe”
Organizing Chairperson : Dr PS Dhande

Organizing Secretaries : Dr Benhur Premendran and Dr Dhiraj Bhandari
Date : 22 Jan 2013
No. of delegates : 175
Key Topics : Medical equipment management- Scenario in India, Medical equipment 'Use and Safety' issues, Clinical engineering and their role in medical equipment safety, Medico-legal aspects of equipment failure, Standards of monitoring during Anaesthesia and recovery, Challenges and Solutions of Medical Equipment Safety.
Resource Persons: Dr Allan Murray, Dr Niranjan Khambete, Dr Dhiraj Bhandari, Dr Vijay Sharma.

2. Theme : **CME on 'Pain Management – An arena to explore' in collaboration with 'Travelling Pain School', Hyderabad**

Organizing Chairman : Dr P S Dhande
Organizing Secretaries : Dr Vijay Sharma, Dr Apurv Mahalle
Date : 14 Jul 2013
No. of delegates : 150
Key topics : Neurobiology and pathophysiology of pain, Various types of pain and their clinical assessment, Management of various types of pain including interventional and evidence based pain management modalities, Managing pain in rural settings – its opportunities and challenges etc.
Resource persons : Dr Kishor Taori, Dr Madhur Chadha, Dr Murlidhar Joshi, Dr P Vijayanand, Dr Pankaj Banode, Dr Sachin Joshi, Dr Sudheer Dara, Dr Sunita Lawange, Dr Umamaheshwara Rao, Dr Bharat Sarkar.

3. Theme : **CME and Workshop on "Basics of Mechanical Ventilation"**

Date: 4 Apr 2015
Organizing Chairperson: Dr Sucheta Tidke
Organizing Secretary : Dr Vijay Sharma
Delegates : 40
Resource persons : Dr R Senthil Kumar, Ms Richa Agnihotri, Dr Dhiraj Bhandari, Dr Vijay Sharma
Key topics : Introduction to basic concepts of mechanical ventilation, Initiation of mechanical ventilation, Graphics of ventilation-scalars and vectors, Non-invasive ventilation and NIV-weaning, Advanced modes of mechanical ventilation

4. Theme : **“AHA accredited BLS- ACLS workshop”**
 (incorporating 2015 AHA/ACC Updates)
 Date : 8-10 Jan 2016
 Organizing Chairperson: Dr Sucheta Tidke
 Organizing Secretaries: Dr Dhiraj Bhandari, Dr Vijay Sharma
 Delegates : 18
 Resource persons : Ms. Lydia Agnes, Dr Dhiraj Bhandari, Dr Vijay Sharma
 Key topics : Advanced Cardiac Life Support (ACLS), BLS, Basics of resuscitation, Automated Electronic Defibrillators
5. Theme : **“AHA accredited BLS- ACLS workshop”**
 (incorporating 2015 AHA/ACC Updates)
 Date : 11-13 Mar 2016
 Organizing Chairperson: Dr Sucheta Tidke
 Organizing Secretaries: Dr Vijay Sharma, Dr Dhiraj Bhandari
 Delegates : 24
 Resource persons : Ms. Lydia Agnes, Dr Dhiraj Bhandari, Dr Vijay Sharma, Dr Sumedh Jajoo
 Key topics: Advanced Cardiac Life Support (ACLS), BLS, Skills in basic life support, Automated Electronic Defibrillators

ANNEXURE VII: PRESENTATIONS

Jain S. Deep vein thrombosis prophylaxis. (Guest lecture) Workshop on Deep vein thrombosis and pulmonary embolism JNMC, SawangiMeghe, 18 Mar 2012
 Jain S. Anesthetic Management of patients with previous stroke. 9th WISACON & Gujarat State Annual Conference, Ahmedabad, 14 Oct 2012.

Premendran B. Advanced cardiac Life Support (Guest lecture) “Rejoice 2012” Padhar Hospital, Betul MP, 19 Oct 2012.

ChardeK , Sharma V, Jain S, Dhande P. The effect of addition of intrathecal clonidine to Bupivacaine on post operative pain in comparison to plain Bupivacaine in major Gynecological surgeries 28th National Pain Conference of Indian Society for Study of Pain ISSPCON, Nagpur, 1-3 Feb 2013.

Chandankhede S, Mahalle A, Tidke S, Dhande P. Brachial plexus block with Bupivacaine, effect of added alpha adrenergic agonist – a comparison between clonidine and epinephrine for postoperative analgesia. 28th National Pain

Conference of Indian Society for Study of Pain ISSPCON, Nagpur, 1 - 3 Feb 2013.

Jain S. Spinal and caudal anesthetic techniques in children for intra-operative and post operative pain relief. 10th SAARC Association of Anesthesiologists' Congress Dhaka, Bangladesh, 24 Feb 2013.

Premendran B, Sharma V, Mahalle V , Dongre H , Bhandari D. Workshop on "Basic Life Support" MEDICON 2012, 11 – 14 July 2012

Jain S: Panel discussion on Medical equipment safety & challenges. (Panelist). CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Bhandari D: Medical equipment management scenario in India.CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Sharma V: Standards of monitoring during anesthesia and recovery.CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Mahalle: A Medical equipment safety- Pros and cons.CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Khobragade: P Anesthetic management of sacrococcygealteratoma in a 2 month old child.CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Khiangte A: Anesthetic management of nasopharyngeal angiofibroma on a young male.CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Yadav M: Effect of clonidine as premedicant in laparoscopic cholecystectomy.CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Ram P: Depth of anesthesia required for LMA insertion by using propofol as inducing agent.CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Khandekar IL: Clinical Forensic Medicine: Medico-legal aspects of medical equipments failure.CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Reddy P: Instrumentation: Basic and Regulatory aspects. (3rd Prize in Poster Competition).CME on MedEqSafe-INDIA 2013 Department of Anesthesia, 22 Jan 2013

Jain S. Annual west zone anaesthesia conference (RAJWISACON 2013) Anaesthetic Management of Obese, Udaipur, Rajasthan, 27 – 29 Sep 2013.

Jain S. CPR-BLS (Cardiopulmonary Resuscitation – Basic Life Support) for Medical Officers and Health Workers. (Guest Lecture) Melghat, Utawali, 31 Oct 2013.

Jain S. Endo-tracheal tube Vs. SGA for Laproscopic Surgery (Debate) 1st Maharashtra State Biennial CME – 2013 I.M.A. Hall, Nagpur, 23 – 24 Nov 2013.

Yadav M, Jain S. A comparative study of airway management and hemodynamic with the use of propofol and Laryngeal Mask Airway (PLMA) versus Endotracheal Tube (ETT) in patients undergoing laparoscopic surgery under general anaesthesia. 1st Maharashtra State Biennial CME – 2013 I.M.A. Hall, Nagpur, 23 – 24 Nov 2013.

Sarkar C, Jain S. Pediatric airway management. 1st Maharashtra State Biennial CME – 2013 I.M.A. Hall, Nagpur, 23 – 24 Nov 2013.

Tidke S. Anaesthesia and caesarean section.CME on Current Concepts and Latest Trends in Caesarean Section (Skill, Will and Drill), Dept. of Obstetrics & Gynecology, 28 Mar 2014.

Bhandari D Transport of Critically ill patients: Evidences and Practice (Faculty) 21st Annual Conference of Indian Society of Critical Care Medicine (CRITICARE 2015) Bengaluru, 4-8 Mar 2015.

Bhandari D. Trouble shooting of ventilator and Workstation on ACLS.International CME – Workshop on Critical Care Dept. of Medicine, 26 - 27 Dec 2014.

Bhandari D. Fibreoptic bronchoscope directed to esophagus willfully for passage of Ryle's tube in a post-radiotherapy patient of oral malignancy ISACON – Annual National Conference of Indian Society of Anesthesiologists, Jaipur, 26 Dec 2015.

Patil P. Comparative evaluation of addition of dexamethasone to two different local anesthetics in supraclavicular brachial plexus block ISACON – Annual National Conference of Indian Society of Anesthesiologists, Jaipur, 26 Dec 2015.

Bhandari D. Modes of mechanical ventilation: why so much confusion in nomenclature? CME on Basics of Mechanical Ventilation Department of Anesthesiology, MGIMS, Sevagram, 4 Apr 2015

Sharma V. Initiation of ventilation: basic concepts. CME on Basics of Mechanical Ventilation Department of Anesthesiology, MGIMS, Sevagram, 4 Apr 2015

Tidke S. Basics of airway management. CME at Kasturba Nursing College, Sevagram, 23 Feb 2016.

Sharma V. Setup of Ventilator. CME at Kasturba Nursing College, Sevagram, 23 Feb 2016.

Bhandari D. Weaning from Ventilator. CME at Kasturba Nursing College, Sevagram, 23 Feb 2016.

ANNEXURE VIII: THESIS

2011 -12

1. Student: Dr Yeole S; Guide: Dr Tidke S
Topic: Ropivacaine for Gynecological surgeries

2012 - 13

2. Student: Dr Chandankhede S; Guide: Dr Tidke S
Topic: Small dose propofol or ketamine as an alternative to midazolam co-induction to propofol
3. Student: Dr Charde K; Guide: Dr Jain S
Topic: Comparison of laryngoscopic view and hemodynamic changes during endotracheal intubation using Macintosh laryngoscope and Truview EVO2 laryngoscope in patients with cervical spine immobilization

2013-14

4. Student: Dr Yadav M; Guide: Dr Jain S
Topic: A comparative study of airway management and haemodynamics with the use of proSeal laryngeal mask airway vs endotracheal tube in patients undergoing laparoscopic surgery under general anesthesia

5. Student: Dr Khiangte A; Guide: Dr Premendran B
Topic: A study of the morbidity and mortality patterns of non-cardiac surgeries in patients visiting tertiary care rural hospital with defined coronary artery disease.

2014-15

6. Student: Dr Sarkar C; Guide: Dr Jain S
Topic: A comparative study of low dose intrathecal dexmedetomidine and clonidine as adjuvant to bupivacaine on characteristics of spinal block and duration of post operative analgesia
7. Student: Dr Bele A; Guide: Dr Tidke S
Topic: A comparative study to judge performance and quality of awake fiberoptic nasal intubation done under prophylactic dexmedetomidine infusion added to midazolam vs midazolam sedation alone.

2015 – 16

8. Student: Dr Podder R; Guide: Dr Dhande P
Topic: Prevention of sevoflurane related emergence agitation in children undergoing general anesthesia: a comparison study between dexmedetomidine and propofol
9. Student: Dr Singh M; Guide: Dr Dhande P
Topic: Comparative study of propofol and ketamine as inducing agent on hemodynamic and seizure activity in modified electroconvulsive therapy
10. Student : Dr Singh P; Guide: Dr Tidke S
Topic: A double-blinded randomized control trial to compare hyperbaric bupivacaine (18 mg) with hyperbaric ropivacaine (18mg) for spinal anaesthesia in lower limb orthopedics surgeries.
11. Student: Dr Patil P; Guide: Dr Jain
Topic: S Comparative evaluation of addition of dexamethasone to two different local anaesthetics in supraclavicular brachial plexus block

DEPARTMENT OF DENTISTRY

1. Name of the Department :**Department of Dentistry**
2. Year of establishment: **1970**
3. Is the Department part of a college/Faculty of the university? -
Yes, our department is the part of Mahatma Gandhi Institute of Medical Sciences, Sevagram
4. Names of programs offered (UG)-**MBBS**
5. Interdisciplinary programs and departments involved: **Clinical posting with General Surgery final year MBBS students posted for 10 days in divided batches.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. -**NIL**
7. Details of programs discontinued, if any, with reasons :**NA**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :**Semester**
9. Participation of the department in the courses offered by other departments:
10. Number of teaching posts sanctioned, filled and actual(Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	
Associate Professor/Reader	1	1	
Assistant Professor	1	1	
Lecturer	-	-	
Tutor / Clinical Instructor	-	-	
Senior Resident	1	2	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
DR. B.K.PATLE	M.D.S.	Professor & Head	Oral Medicine & Radiology	11 yrs
DR.P.P.SANGHAVI	M.D.S.	Associate	Orthodontics	7yrs

Name	Qualification	Designation	Specialization	No. of Years of Experience
		Professor		
Dr.V.N.JAGDHANE	M.D.S.	Assistant Professor	Periodontics	10 months
Dr.S.A.SAXENA.	B.D.S	SR		
Dr. A. Y.DUDHE	B.D.S	SR		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: NIL
13. Percentage of classes taken by temporary faculty – program-wise information :NIL
14. Program-wise Student Teacher Ratio:
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	SANCTIONED	FILLED	ACTUAL
1)Dental Technician	1	1	1
2)Dental Hygienist	1	1	1
3)Staff Nurse	1	1	1
4)Attendant	1	1	1

16. Research thrust areas as recognized by major funding agencies: NIL
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. :NIL
18. Inter-institutional collaborative projects and associated grants received
b) National collaboration b) International collaboration :NIL
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. :NIL
20. Research facility / centre with
 - state recognition
 - national recognition
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies :NIL
22. Publications: See Annexure 1
 - * Number of papers published in peer reviewed journals (national / international):12
 - * Monographs: NIL
 - * Chapters in Books: Textbook Of Oral Radiology, Dr BK Patle

- Books edited: NIL
- * Books with ISBN with details of publishers: NIL
 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact Factor – range / average
 - * h-index
23. Details of patents and income generated :NIL
 24. Areas of consultancy and income generated :Institute policy does not allow finance incentives for consultancy.
 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :NIL
 26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other (specify):NIL
 27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). NIL
 28. Student projects
 - percentage of students who have taken up in-house projects including inter-departmental projects: NIL
 - percentage of students doing projects in collaboration with other universities / industry / institute: NIL
 29. Awards / recognitions received at the national and international level by :NIL
 - Faculty
 - Doctoral / post doctoral fellows
 - Students
 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.:NIL
 32. Code of ethics for research followed by the departments :NA
 33. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES (I MBBS) 2015	12871	46%	54%	Not applicable	
(I MBBS) 2014	15555	48%	52%		

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATES	12871	46%	54%	Not applicable	
(I MBBS) 2015					
(I MBBS) 2013	8119	53%	47%		
(I MBBS) 2012	16003	52%	48%		
(I MBBS) 2011	12518	51%	49%		
POSTGRADUATES	NA				
2015					
2014					
2013					
2012					
2011					

34. Diversity of students: MBBS Students are selected from all over the country through common entrance exam.

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
		N.A.		

35. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. :NIL

36. Student progression: This is done by national entrance examination.

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

37. Diversity of staff

Percentage of faculty who are graduates	
of the same university	1
from other universities within the State	4
from universities from other States	1
from universities outside the country	

38. Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period :NIL

39. Present details of departmental infrastructural facilities with regard to

a) Library :209

b) Department has good connectivity of Wi-Fi and computers are being provided with this facility through HIS system

c) Total no. of classrooms:

- 1) One Lecture Hall
- 2) One demonstration room
- 3) One seminar room

d)All lecture halls are **wifi enabled and have LCD projection facility.**

40. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university :NIL

b) from other institutions/universities

41. Number of post graduate students getting financial assistance from the university. :NIL

42. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

43. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? :YES faculty feedback is taken by HOD in the department.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :College council meeting is held,curriculum meeting is taken,IQAC feedback is taken from all.

c. alumni and employers on the programs offered and how does the department utilize the feedback? :YES

44. List the distinguished alumni of the department (maximum 10):N.A.

45. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.:NIL

46. List the teaching methods adopted by the faculty for different programs

- including clinical teaching, Horizontal integration, vertical integration
47. How does the department ensure that program objectives are constantly met and learning outcomes are monitored by feedback from students.
 48. Highlight the participation of students and faculty in extension activities
Visits to rural areas for social service camp
Participation of departmental faculty in diagnostic camp in Sushila Nayar Hospital in Utawali area of Melghat.
 49. Give details of “beyond syllabus scholarly activities” of the department.
 50. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
 51. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
 52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- A very affordable dental specialty treatment for poor and needy with minimum sittings
- Strong team work
- able to relocate anywhere
- Energetic attitude with ethical mindset.
- Adequate trained staff.
- Infrastructure of deptt is good with excellent modern equipments

Weaknesses;

- If we have a maxillofacial surgeon, we can perform more challenging surgeries of maxillofacial region including dentofacial trauma and oral cancer, which most prevalent in this part of the country.
- Less working hands

Opportunities:

- To evolve research
- Department can start PG. courses

Challenges:

- In maintaining management of the dept. Number of patients are outnumbering working hands. In such situation, it is a real great challenge to keep functioning peacefully and smoothly without losing patience.
53. Future plans of the department. :
To see department growing into PG. dental institute.

ANNEXURES FROM DENTISTRY

ANNEXURE 1: PUBLICATIONS

2011

Baheti (Chandak) R, Degwekar SR, Bhowate R, Rawalani SM.

Efficacy of ultrasonography in diagnosis of orofacial swellings.

Dentomaxillofacial Radiol 2011; 40: 213-221. (PMID: 21493877)

Saxena AS, Patle BK, Lambade P.

Advanced diagnostic aids in endodontics.

Journal of Indian Academy of Oral Medicine and Radiology, July-September 2011; 23(3): 221-224

2012-13

Rawlani SM, Singh AS, Bhowate R, Degwekar S, Singhal K, Chandak R, Rawlani S.

Current scenario of leprosy patients taking multidrug therapy.

J Pakistan Assoc Dermatologists 2012; 22: 130-135.

Chandak R, Degwekar S, Chandak M, Rawlani SM.

Acute submandibular sialadenitis: A case report.

Case Reports in Dentistry 2012, 2012: 615375, Epub 2012 Jul 24. (PMID:22888457)

Chandak R, Degwekar S, Chandak M, Rawlani SM.

Peripheral ossifying fibroma: A case report.

J Clinical Dentistry; Jul 2012; 6 (7): 36-39.

Chandak R, Degwekar S, Chandak M, Rawlani SM.

Cone-Beam Computed Tomography a tool in dental practice.

Central India J Dental Sciences Apr-Jun 2012; 3(2):119-122.

2013-14

Mohammed RB, Reddy MAL, Jain M, Singh JR, Sanghvi P, Thetay AAR.

Digital radiographic evaluation of hand wrist bone maturation and prediction of age in south Indian adolescents.

Hand 2014: 1-9.

2014-15

Mohammed R, Reddy A, Sanghvi P, Jain M, Singh J, Thetay A.

Digital radiographic evaluation of hand –wrist bone maturation and prediction of age in south Indian adolescents;

Hand 2014; 9(3):375-383. (PMID: 25191171)

Mohammed R, Sanghvi P, Perumalla K, Raju S, Srinivas J, Kalyan U, Rasool S.

Accuracy of four dental age estimation methods in southern Indian children

J Clin Diagn Res 2015; 9(1):1-8. (PMID: 25738008)

Mohammed R, Srinivas B, Sanghvi P, Satyanarayana G, Gopalakrishnan M, Pavani B.

Accuracy of Demirjians 8 teeth method for age prediction in south Indian children: A comparative study.

Contemp Clin Dent 2015; 6(1):5-11. (PMID: 25684903)

Mohammed R, Krishnamraju P, Prasanth P, Sanghvi P, Reddy M, Jyotsna S.

Dental age estimation using Willems method: A digital orthopantomographic study.

Contemp Clin Dent 2014; 5(3):371-376. (PMID: 25191076)

2015-16

Patle B, Khatri SG, Thombare V.

Knowledge and attitude of school teachers regarding emergency management of avulsed teeth- a cross sectional study.

Int J Oral Health Med Res 2015; 2(4): 26-28

Bande CR, Daware S, Lambade P, Patle B.

Reconstruction of orbital floor fractures with autogenous bone graft application from anterior wall of maxillary sinus: A retrospective study.

Journal of Maxillofacial Oral Surgery. 2015; 14 (3): 605-10.

Sanghvi PP

Assessment of sexual dimorphism using digital Orthopantomographs in South Indian. *Journal of Forensic Dental Sciences.* 2016.

ANNEXURE IV A: CONFERENCES ATTENDED

Patle BK

FBD-IDA Global Summit, Ramoji Film City, Hyderabad, 13-14 August 2016

Sanghvi PP

46th Indian Orthodontic Conference, Khajurao, 2012

48th Indian Orthodontic Conference, Ahmedabad, 2014

ANNEXURE IV B: COURSES ATTENDED

Sanghvi PP

'Lingual Orthodontics' Bhopal, 2012

Advanced Lingual Orthodontics, Surat, 2013

ANNEXURE VII: PRESENTATIONS

Dr Shilpa Saxena

Dental Caries: Newer aspects

Academy of Medical Sciences, Sevagram, 5 Jul 2011