



MAHATMA GANDHI INSTITUTE OF MEDICAL SCIENCES, SEVAGRAM
MEDICAL EDUCATION UNIT
E-LEARNING SUBGROUP

DETAILS OF ICT-ENABLED TOOLS USED FOR TEACHING AND LEARNING

Learning management system

- MGIMS Classroom (based on MOODLE): classroom.mgims.ac.in

Intramails

- Google Suite: institutional access
- Every faculty, administrator and student has individual intramail ID
- Google Drive being used to share documents and work in teams

Internet connectivity

1GBPS. Through National Knowledge Network

The entire campus (classrooms, seminar rooms, auditorium, library, hostels, administrative sections, hospital, laboratories, operating rooms, administrative buildings and homes) enjoy a seamless high-speed internet connectivity through a wireless network.

Synchronous online classes

- Google Meet
- Big Blue Button
- Zoom

Library access

- Subscription to ERMED Consortium: 235+ high impact e-journals from BMJ, CUP, LWW, OUP, WILEY: 11927 transactions
- Subscription to Uptodate.com: consult 10500 topics covering 25 specialties- Evidence based clinical software for bedside access to information on campus: 25059 user transactions

- Subscription to DELNET library consortium: 2224 journals
- Subscription to Digital Library of Maharashtra University of Health Sciences, Nashik: 2074 e-resources
- 36986 digital user footfalls

E-RESOURCES IN LIBRARY

E-Journals	:	5156
E-Books	:	375
THESIS CDs	:	92
BOOKS CDs & VIDEOS	:	1829
Question papers	:	273

Interactive classroom online tools used

- MOODLE
- Google Classroom
- Kahoot
- Mentimeter
- Polls everywhere
- Socrative
- Peardeck
- OBS software

ICT tools

- Swayam portal
- Swayam Prabha
- NPTEL
- Camtasia software

Online data management, visualisation and analysis tools

- Kobotools for collection of data (link: <https://kobo.humanitarianresponse.info/>) related to funded research as well as student research. (The Research Resource Group has starting conducting training workshops of two days for all PG students on use of Kobotools on android devices for data collection. A lots of undergraduate students also use Kobotools for data collection related to their research.
- Survey solutions: A World Bank Platform developed by the Data group of The World Bank. We are using this for managing the Health and Demographic Surveillance System for all villages in the field practice area of Department of Community Medicine, MGIMS, Sevagram.
- PostgreSQL database system: PostgreSQL is a free and open-source relational database management system emphasizing extensibility and SQL compliance

developed at the University of California, Berkeley. We are using this to house the data of Health and Demographic Surveillance System.

- Tableau for data visualisation and dashboard
- RStudio Workbench: We are using RStudio web-based workbench for data analysis as well as for capacity building of Post-graduate students in Department of Community Medicine in data analysis
- REDCap (Research Electronic Data Capture): REDCap is a secure web application for building and managing online surveys and databases. We are using RedCap for managing databases in the projects. This is being initiated with an NIH-supported study being conducted by Department of Community Medicine

Use of ICT for health promotion in the community

Under Aarambh initiative

Aarambh is an initiative for empowering families and communities for Nurturing Care interventions, comprising of elements – child health, child nutrition, early learning, safety and security and responsive caregiving. The program utilises ICT approaches to reach the district and block-level officials, supervisors, frontline workers as well as community members and parents with Early Childhood Development messages.

- WhatsApp groups: Aarambh utilises WhatsApp groups extensively throughout its program for promotion of Early Childhood Development. WhatsApp groups have been formed at state level, divisional level, district level, and ICDS project level in 30 districts of Maharashtra, where the project has been initiated so far. In addition, in villages in several districts, WhatsApp groups are being utilised by Anganwadi workers disseminate the messages further to the primary caregivers.
- Website: <http://aarambhforecd.com/>
- Facebook page: <https://www.facebook.com/aarambh.mgims>
- Twitter handle: https://twitter.com/aarambh_mgims
- Instagram: https://www.instagram.com/aarambh_mgims/?hl=en
- Telegram: For archiving messages and making it available in future for all stakeholders

Under Intergenerational programming (Sahjeevan: celebrating generations)

Intergenerational programming is an initiative to strength the bonds between the generations and to bridge the gap between generations. It empowers elders to work for the younger generation (children and adolescents) and help them reach their full potential. It is utilising several ICT platforms for disseminating messages

- WhatsApp groups: Project-level WhatsApp group to reach the key trainers, master trainers and peer trainers.
- Facebook page: for disseminating the messages
(<https://www.facebook.com/sahajeevan.mgims>)

Apart from projects, the Department of community medicine is also using Whatsapp for dissemination of health information in the community on a regular basis. This was initiated during the COVID pandemic as opportunities for physical meetings were minimal during the lockdowns.

The department has a WhatsApp group (pg_snsph) with the current PGs and alumni where academic discussion take place along with information dissemination. This also provides us an opportunity to facilitate interaction among the alumni and current group of students, thus helping them build their futures.

The department has maintained a e-library with important academic resources for both Undergraduate as well as Postgraduate students and aims to help the students in Public Health and allied specialties acquire the requisite knowledge and skills for working as an excellent Public Health Physician. The link to the e library is <https://elibph.mgims.ac.in>

Apart from this we also have Google groups for sharing and dissemination of academic information and related discussions for both undergraduates (on intramail) and postgraduates (pgsnsph@mgims.ac.in). The google group for postgraduates also includes alumni.