MAHATMA GANDHI MISSION'S DENTAL COLLEGE & HOSPITAL

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M.G.M. Dental College & Hospital,
Kamothe, Navi Mumbai 410 209.

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Accredited by NAAC with "A" Grade
Plot No. 1 & 2 Sector-01 (Old 18 & 19),
Kamothe, Navi Mumbai- 410209
E-Mail ID: mgmdch@mgmmumbai.ac.in

Policy Document for E-Governance

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E-Governance Architecture

E-governance is the implementation of information technology in academic administration within the institution incorporating various information management systems for administration of students' section, examination, library and informatics, accounts, maintenance and store keeping. Various e-governance measures are implemented within the institution including databases of the regulatory bodies such as DCI and MUHS, Nashik. Institutional hospital patient management is facilitated by the institutional Hospital Information Management System HIMS with its own firewalled server that serves as database for patient information. Library informatic systems KOHA and LIBSYS is being used for library resources and informatics with access to MEDLINE and EBSCO Host databases. Attendance and biometric records are maintained through MANTRA software. ICT technologies are implemented through campus ethernet with LAN cables with an in-campus server. Cloud based storage is also available for ICT enabled classrooms though google cloud storage. Institutional intranet is made available through network neighborhood LAN cable to share information through institutional closed portal to access imaging information of patients through PACS and institutional HIMS. Online financial transactions are made through online payment modes when needed through IDBI net banking portal. The campus is Wi-Fi enabled for wireless connectivity for access within the class room premises.

Statement of Purpose:

Purpose: This initiative is to provide ready access to information at all access points within the campus so as to enable academic and non-academic administration.

Measures:

Affiliated Central Council and University:

- Institution faculty and student information is incorporated and registered with databases of the DCI, NAAC, NIC, MHRD, UGC, DMER, and MUHS.

- Teachers' information and university duties appointment is made available on the MUHS online database

- Student data is uploaded to university portal as a part of admission process

- University results and statement of marks are available on the MUHS website

E Governance architecture within campus:

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Connectivity:

- High speed internet access internet connectivity available 1 Gpbs Through NKN protected by Cyberroam CR 1500iNG-xp firewall.
- All data stored in data center server accessible only on campus.
- Video conferencing is done with CISCO Telepresence S X 20 unit which is available in conference room.
- Institutional website is maintained / updated regularly and are under annual maintenance contract.

Library and Informatics:

- Library informatic systems KOHA and LIBSYS is being used for library resources and informatics with access to MEDLINE and EBSCO Host databases.
- Learning management system LMS software through Microsoft Teams is used by faculty for online teaching.

ICT enabled classrooms, seminar rooms and boardrooms with internet connectivity:

- LCD projectors with computers connected to the internet have been installed in all the Lecture Halls
- Smart Panels are procured and installed in classrooms for interactive and web-based learning
- Classrooms undertake Computer assisted teaching / learning with Audio Visual live telecast facility available from remotely located operatories.
- Department seminar rooms are connected to internet through LAN and WiFi so as to enable internet connectivity.
- Department Libraries are connected to the internet and can access the library e-resources giving students access to online Journals and e-resources.
- ICT technologies are implemented through campus ethernet with LAN cables with an in-campus server
- Cloud based storage is also available for ICT enabled classrooms though google cloud storage.
- The campus is Wi-Fi enabled for wireless connectivity for access within the class room premises.

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Administration:

- Biometric attendance and records are maintained through MANTRA software.

- Institutional intranet is made available through network neighborhood LAN cable to share information through institutional closed portal to access imaging information of patients through PACS and institutional HIMS.

- Automation of the mentor-mentee system has made it easier to track the attendance and relative performance of the mentees. This also allows identification of defaulters and generation of emails to parents in order to inform them on their ward's performance.

- Monthly submission of Departmental performance in pre-designed templates which has data pertaining clinical performance, Teaching / Nonteaching faculty work record, Post graduate student attendance / work record, departmental accomplishments and participation in seminars/ symposia and conferences, has made it easier to monitor department performance.

- Ex-servicemen Contributory Health Scheme ECHS database eases management of patient information of individuals eligible to avail the same facilitating access to healthcare to retired service personnel and their families.

- Online financial transactions are made through online payment modes when needed through IDBI net banking portal.

- Patient billing is managed with automated HIMS

- Accounts and financial audit are performed through Tally software

- All computers within the institution have licensed versions of Microsoft windows and antivirus software.

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