



# Annual Report 2015-16

IQAC

MGM Institute of Health Sciences

KAMOTHE, NAVI MUMBAI

## SIGNIFICANT ACTIVITIES AND CONTRIBUTIONS MADE BY IQAC

- MGMIHS IQAC and Institutional IQAC"s were revised to increase the number of members from various categories to make them more representative.
- Suggestions and feedback regarding "New Education Policy" being formulated by NAAC were given by MGMIHS IQAC in 14th September 2015.
- Sensitization of all staff on all matters pertaining to quality assurance and holding regular meetings
- Centralized Database of all reports received is being regularly updated.
- Various cells for improving the quality of medical education, i.e. Attendance cell, MET cell, Research Cell, Examination Cell and Mentoring programme are being monitored regularly.
- One of the MGMIHS IQAC members was nominated for review of 4 textbooks of Community Medicine and pretesting of Gender sensitive Community Medicine Modules. The report has been submitted to Centre for Enquiry into Health and Allied Themes (CEHAT) and United Nations Population Funds (UNFPA).

## PLAN OF ACTION BY IQAC/OUTCOME

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Sr no	Plan of Action	Achievements
1.	Establishment of full fledged Clinical Skills Lab and Simulation Lab	Clinical Skills Lab established, Simulation Lab in progress.
2.	NABH accreditation of MGM Navi Mumbai Teaching Hospital	In progress however NABH accreditation for RGJAY is received and institution has been awarded A+ grade.
3.	Increase the capacity of existing facilities	<p>The following additional facilities have been introduced:</p> <p><b>1. Biomechanics Lab (MGM Centre of Human Movement Science)</b></p> <p><b>2. Dermatology:-</b> collaboration with plastic surgery Dept. at MGM Medical College, Navi Mumbai Dermato-plastic OPD started in</p> <p><b>3. Biochemistry:</b> Clinical Biochemistry Laboratory for charity established. at MGM Medical College, Navi Mumbai</p> <p><b>4. Paediatrics:</b> State of Art Paediatric Intensive Care Unit (PICU) – Planning for ICCCM accreditation at MGM Medical College, Navi Mumbai</p>

		<p><b>5. Surgery:</b> Breast Clinic &amp; Diabetic Foot Clinic at MGM Medical College, Navi Mumbai</p> <p><b>6. New Central Library</b> of 25,000 sq. ft. with latest facilities established. at MGM Medical College, Aurangabad</p> <p><b>7. OBGY ICU</b> Established with a capacity of 05 beds. at MGM Medical College, Aurangabad</p> <p><b>8. New Dialysis unit</b> Established. at MGM Medical College, Aurangabad</p> <p><b>9. New Kidney Transplant Unit</b></p>
		<p>Established. at MGM Medical College, Aurangabad.</p> <p>10. Permission for establishing <b>Kidney Transplant Unit</b> at MGM Medical College, Navi Mumbai has been received.</p>
4.	Increase in collaborations and linkages with National and International Agencies and Institutions	<p>Collaborations and Linkages were made with a number of external research agencies for various research projects, some of which are:</p> <p>a. Biomechanics Lab (MGM Centre of Human Movement Science) with University of Cardiff and IIT Bombay.</p> <p>b. Board of Research in Nuclear Medicine, Mumbai</p> <p>c. International Society for Biomechanics</p> <p>d. NanoSynth Materials &amp; Sensors, USA</p> <p>e. IKP Knowledge Park, Hyderabad</p> <p>f. Shastri Indo-Canadian Institute, Calgary, Canada.</p> <p>g. Department of Biotechnology, Government of India.</p> <p>h. Department of Science and Technology, GOI.</p> <p>i. ICMR</p>

5.	Increase the number of courses/ programs in Medical and Allied Health Sciences	New Course MSc Molecular Biology has been introduced.
6.	Introducing new super- specialities like DM Neurology and MCh Neurosurgery	In progress
7.	Introduction of Competence Based Curriculum for undergraduate Medical Students	In this connection, several workshops for faculty have been conducted under the guidance of Prof. N.G. Patil (Faculty of Surgery, University of Hong Kong)
8.	Integrating gender in medical education.	One of the MGMIHS IQAC member was nominated for review of 4 textbooks of Community Medicine and pretesting of Gender sensitive Community Medicine Modules. The report has been submitted to CEHAT and UNFPA.
9.	To improve professional competence of institutional faculty conducting MCI recognized MET workshops	Four faculty members attended the Revised MET Workshop and AT-COM module at Regional Centre, GS Medical College & KEM Hospital, Mumbai.

## REVISION/UPDATE OF REGULATION OR SYLLABI

- B.Sc. Course in Audiometry and Speech Therapy is planned to be started with prior permission of UGC.
- Anatomy syllabus for UG revised and immunoassay technique incorporated in UG practical syllabus of Biochemistry.
- M.D. students in Pathology to have 15 days posting in Biotechnology as per MCI, 6 months of Allied postings can be given as per HOD's mutual agreement.
- Changes in the syllabus of II<sup>nd</sup> MBBS for Microbiology and changes in the existing syllabus of II<sup>nd</sup> MBBS Pathology carried out.
- Inclusion of lectures on History of Medicine made compulsory in the curriculum of all disciplines.
- Topics for Horizontal integration that have already been enlisted & implemented at Aurangabad adopted at Navi Mumbai too.

## NEW DEPARTMENT/CENTRE INTRODUCED IN 2015

- Dermato-plastic OPD started in collaboration with plastic surgery Dept. at MGM Medical College, Navi Mumbai
- Biomechanics Lab (MGM Centre of Human Movement Science) in collaboration with University of Cardiff and IIT Bombay.
- A separate Clinical Biochemistry Laboratory was established at MGM Medical College, Navi Mumbai for catering to poor patients free of cost.
- State of Art PICU – Planning for ICCCM accreditation at MGM Medical College, Navi

Mumbai

- Breast Clinic & Diabetic Foot Clinic at MGM Medical College, Navi Mumbai
- New Central Library of 25,000 sq.ft. with all latest facilities was established. at MGM Medical College, Aurangabad
- Obstetrics & Gynaecology ICU established with a capacity of 05 beds. at MGM Medical College, Aurangabad
- New Dialysis unit established at MGM Medical College, Aurangabad
- New Kidney Transplant Unit established at MGM Medical College, Aurangabad

### **INNOVATIVE PROCESSES IN TEACHING AND LEARNING:**

- Horizontal and vertical teaching methods, Tutorial sessions in theory and practicals, UG and PG Seminars, Journal Clubs, Microteaching, Small group teaching, PBL and Integrated Teaching methods are in use.
- Slow-learner remedial lectures are being held.
- Audiovisual aids: laptops, LCD projectors are in use.
- Advanced Skill Lab and mannequins are used to teach various procedures and techniques in Emergency Medicine and clinical skills.

### **EXAMINATION/ EVALUATION REFORMS**

- OSCE for Internal Assessment
- Monthly theory tests, MCQ tests twice a month
- Bar Coding and Double Valuation, Multiple Choice Questions, Internal Assessment.
- Examination software is proposed to be implemented.
- Supplementary Examination for B.Sc. Allied Health Science courses being held 6 months after the annual examination.
- University Examination for B.Sc. Allied Health Sciences being conducted twice a year i.e. annual examination every July and supplementary examination every January.
- SOP on moderation in all examinations conducted by MGMIHS framed and is being implemented.

### **ROLE OF IQAC IN MONITORING/EVALUATION (TEACHING & LEARNING)**

- Students with low academic profile are mentored by the batch teachers as well as senior faculty.
- Students with low attendance and test results reported to the Dean's office for transferring the information to the respective parents.
- Continuous monitoring of student activities by the senior faculty leading to improved student outcome and attendance.
- Mentorship program, identifying slow learners and conducting remedial classes. Identifying advanced learners and encouraging them to participate in various competitive programs like quiz, poster presentations.
- New innovative strategies are being implemented at the departmental level to make lectures more interesting like small tutorials for Slow Learners Every Week
- MGM Medical College, Aurangabad has started a new monthly Self Appraisal System for Teaching Faculty. Regular Feedback from student regarding Teaching, Teachers Syllabus is taken. Regular meetings are held with the stake holders. Regular analysis and corrective measures are undertaken.

## RESEARCH, CONSULTANCY AND EXTENSION

### Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- IQAC invites distinguished guests from other institutions to chair and address research programs and activities.
- Scientific Advisory Committee has been reconstituted to help in the conceptualization and monitoring of research programs.
- Ethics Committee for research on human subjects is approved by Drugs Controller General (India) to facilitate research projects.
- Animal Ethics Committee has been established to facilitate research projects.
- Research Methodology workshops organized for teaching staff.
- A publication fee is provided by the institution.

## INSTITUTIONAL SOCIAL RESPONSIBILITY:

### *1. National Youth Day celebration January 2015*

Health awareness programme at MGM School, Nerul for school children 9<sup>th</sup> and 10<sup>th</sup> standard on HIV infection and prevention, Substance abuse, Life Style Diseases and its Prevention.

### *2. World Cancer Day celebration February 2015*

Health Exhibition, Role play by Interns, Health Talk on Early Detection and Treatment of cancer.

### *3. World Tuberculosis Day celebration March 2015*

Health talk on tuberculosis and its treatment.

### *4. WHO Day celebration April 2015*

Panel Discussion on WHO theme from “FARM TO PLATE MAKE FOOD SAFE”. The officials from food and drug authority attended the programme.

### *5. World Population Day celebration July 2015*

Brain storming session was organized to highlight the issues of population problems in MGM School, Nerul among the 10<sup>th</sup> class students.

### *6. Outreach activities*

#### *a. Road Safety week*

Health check up for Auto Rockshaw drivers at Vashi on 12.01.2015.

#### *b. Blood Donation camp*

At A. C Patil College of Engineering, Sec-4, Kharghar on 14.02.2015

#### *c. Medical Health check up camp*

At Mauli CHS, Ghansoli, Navi Mumbai on 08.03.2015.

***d. Medical Health check up camp for senior citizens and children***

At (Shree Chitragupt samaj) Prageti CHS premises, Sector-15, Kharghar on 29.03.2015.

***e. Regular outreach immunization in the community every 2<sup>nd</sup> and 3<sup>rd</sup> Tuesday.***

**7. IEC activities conducted routinely.**

8. Medical Camp under NRHM was jointly organized by Dept. Of Community Medicine along with Rural Hospital, Kashale, District Raigad.
9. On occasion of „World Diabetes Day“, Department of Community Medicine conducted an interactive health education session for Diabetes patients with the help of Medicine, Surgery & Ophthalmology department.
10. On occasion of World AIDS Day , an interactive health education session was organized for OPD patients with the help of nursing students.
11. IEC Activity was organised on the occasion of International day for older persons on at Ramabai Colony. The theme was “Senior Citizens-We care for you.”
12. To mark the occasion of “World Sight Day” IEC Activity was organized at Sambhaji Nagar Colony, Belapur.
13. Month of October is observed as “Breast Cancer Awareness” month.
14. As a part of newborn care awareness initiative, the staff of MGM Belapur and Dept. of Community Medicine organized IEC Activity on Neonatal Jaundice at Punjab Bhavan, Belapur.
15. On the occasion of World Pneumonia day, Dept. of Community Medicine organised IEC Activity in slums of Ramabai and Sambhaji Nagar Colony.
16. In collaboration with Rotary Club, Navi Mumbai , UHTC organized Lung health check up camp at Shivajinagar School premises, Nerul .
17. IEC Activities to celebrate „International day of persons with Disabilities“ was conducted at Ramabai colony. Slum dwellers attended this activity.
18. IEC activities to raise awareness about health problems due to pollution as well as preventive measures for the same was held at Durgamata Nagar.
19. IEC activity on Prevention and Treatment of Malaria and Dengue was conducted at Ramabai Nagar and Shambhaji Nagar colonies.
20. IEC activity on Prevention and Treatment of Malaria and Dengue was conducted at Durgamata Nagar. Free Health Check up camps.
21. Celebrations of various International days like World AIDS day and conduction of IEC activities and screening activities.
22. Health awareness drives at MGM Medical College, Aurangabad like lectures, street plays, drama -35 like lectures, street plays, Drama etc
23. Number of Adolescent health programme at MGM Medical College, Aurangabad - 24
24. “Sakshma” for women’s programme at MGM Medical College, Aurangabad -10
25. Blood donation camps at MGM Medical College, Aurangabad -60
26. Free Health check up camps by MGM Medical College Aurangabad-25 (10315 patients)

## COMPUTERIZATION OF ADMINISTRATION AND LIBRARY

- Computerization of the University administration and linking it with the Institutions has been approved and is under process
- The computer facility is extended to all Faculties and Students for academic and co-curricular activities, community outreach, collaborative, administrative and financial evaluation activities.
- Each department/unit is provided with necessary number of computers and peripherals including printers, scanners etc. with current configuration.
- Biometric devices and software are used for recording of attendance and later passed onto Tally Software for calculation of payrolls
- HMS (Hospital management System) is used for patient admissions till discharge. Hospitals also have LIMS (Lab Information Management System) used for lab activities.
- A separate PACS system i.e. Picture Archiving and Communication System, is used for on-the-spot transmission of images from Radiology Dept to wards and consultants.
- Library has a dedicated LIB SYS software for Library management.
- Online journals and periodicals are available.
- Computer facilities are provided for supporting Common Entrance Test, admissions and maintaining students' information.
- Most of the departments are connected through LAN, WAN and Wi-Fi. IT department provides training to students and staff in use of computers.
- There are more than 610 terminals and 225 computer peripherals with servers.
- Laser delivery module as learning material, educational CDs and DVDs are made available.
- The University has installed high-end digital camera with video shooting facility, voice and picture mixing software and animation facilities at multimedia centre.
- 1 GB National Knowledge Network (NKN) Broadband line is installed and functional.
- Central Computer Centre provides excellent academic computing facilities to the faculties and Students.
- All desktops are connected in wired LAN with \*P4 and above configurations.
- Computer interfaced LCD projectors are provided to the Faculty and Students for computer-aided teaching/learning and for presentations of research papers in conferences/symposia/ workshops.
- Online Journals, CDs and data bases are used by Teachers and Post graduate Students to enhance their knowledge.
- Various CD-ROMS are available to aid the preparation of teaching material.
- Computer aided presentation of lessons by CCE, A.P., and APSCHE are provided.



#### **4.2 Computer, Internet access, training to teachers and students and any other programme for technology up-gradation (Networking, e-Governance etc.)**

- The computer facility is extended to all Faculties and Students for academic and co-curricular activities, community outreach, collaborative, administrative and financial evaluation activities.
- Each department/unit is provided with necessary number of computers and peripherals including printers, scanners etc. with current configuration. The computer facilities are also provided for supporting common entrance test, admissions, maintaining Students information, hospital services, investigative operations, computer interfaced LCD usage with supporting multimedia, power point presentation etc.
- Most of the departments are connected through LAN, WAN and Wi-Fi.
- Full fledged computer department is provided for training and maintenance of ICT facilities.
- Laser delivery module as learning material, educational CDs and DVDs are made available. The University has also provided with high end digital camera with video shooting facility, voice and picture mixing software and animation facilities at multimedia centre.
- 1GB National Knowledge Network (NKN) Broadband line is installed in the University.

### **STUDENT SUPPORT AND PROGRESSION**

#### **Contribution of IQAC in enhancing awareness about Student Support Services**

Members of Institutional IQAC interact with students frequently to know about their problems and progress. 2 undergraduate students are members of MGMIHS University Level IQAC and provide input as required. It is ensured that students are aware of facilities created for their support such as Book Banks, freeships, free medical facilities, mentorship programs, grievance redressal, redressal of sexual harassment and ragging complaints, slow learner programs, counselling services for behavioural issues and stress reduction/ de-stressing programs. IQAC directly interacts with the Dean and students welfare bodies and brings to their notice any problems faced by students. A feedback is taken from them to ensure that the problem is resolved, through the institutional IQAC. The Central IQAC monitors the performance of the institutional IQAC regarding enhancing the awareness of student support services.

#### **Tracking the progression**

- Regular meetings of concerned committees as given in Para 5.1
- Mentor system
- Redressal system
- Evaluation of attendance and result

#### **Student support mechanism for coaching for competitive examinations (if any):**

- Special orientation and guidance lectures are arranged for interns to prepare for entrance examinations for post graduate courses.

- The university/constituent colleges invite experts from higher learning institutions/corporate/business houses periodically to interact with students.

#### **Details of student counselling:**

- The Counselling Cell takes care of skill development and career guidance.
- Motivational lectures and orientation programmes are arranged for students.

#### **Gender sensitization programmes:**

- Pre-testing of gender modules & questionnaires by CEHAT at dept of community Medicine, MGM Medical College, Navi Mumbai.
- Selection of one of the members of MGMIHS as consultant for review of 4 textbook of PSM from gender perspective by CEHAT and UNFPA.
- Gender audit is done annually wherein enrolment data is documented and analyzed. Gender Ratio statistics for students and teachers is collected from each college by the university.
- Street play by VIth semester MBBS students at various places in Aurangabad city

#### **Students Activities:**

- Annual Social Gathering
- AIIMS PULSE programme New Delhi
- UG Students of MGM Medical College Aurangabad participated in cultural events during conference held at Smt. Kashibai Nawale Medical College and hospital, Pune
- MGM trust Foundation day
- MGM Medical College Navi Mumbai undergraduate student was a finalist at Elsevier Basic Sciences Olympiad 2014-2015
- 68 undergraduate medical students of MGM Medical College Navi Mumbai attended a compendium on Medical Education held at Terna Medical College Navi Mumbai.

## **EXAMINATION REFORMS**

- OSCE for Internal Assessment
- Monthly theory tests, MCQ tests twice a month
- Bar Coding and Double Valuation, Multiple Choice Questions, Internal Assessment.
- Examination software is proposed to be implemented.
- Supplementary Examination for B.Sc. Allied Health Science courses to be held 6 months after the annual examination.
- University Examination for B.Sc. Allied Health Sciences to be conducted twice in a year i.e. annual examination every July and supplementary examination every January.
- To streamline the process of moderation in all examinations, a new SOP has been framed and is being implemented.

## **PROMOTION OF AUTONOMY**

- Both constituent colleges of MGMIHS have full autonomy in their roles as teaching institutions. University conducts admissions and examinations, frames policies and rules and provides full financial support to in colleges. Rules and policies are framed after full deliberations by empowered committees. Most of the members of these committees are drawn from the colleges, including the Board of Management committee. Therefore, even in framing rules and policies, the constituent colleges have a major say. If a particular rule or policy is found to be inadequate in some respect it can always be amended subsequently. Within these frameworks of rules, regulations and policies, both colleges enjoy complete autonomy in curriculum development, teaching-learning skills & research activities, which are the hallmarks of a teaching institution. University helps them with additional financial grants as and when they ask, for infrastructural development, buying new equipments, setting up new laboratories and other research facilities. University also helps them in developing new collaborations and linkages with outside agencies, both national and international, for student and faculty exchange programmes and research projects. If at any time, a college is found to be under-performing in some area, university authorities bring it to their notice and help it to rectify the issue. This is an essential supervisory role that the university has to perform as a part of its responsibility.

## **ACTIVITIES AND SUPPORT FROM THE ALUMNI ASSOCIATION**

- The Alumni Association has been registered with the Charity Commissioner of the district Raigad. An office has been handed over in Navi Mumbai campus.
- The members of Alumni association have regular meetings in the designated room in the University building.
- Career guidance lectures and health camps are arranged by the Alumni Association.
- Donation of books and hearing aids.

- The association intends to increase the membership by use of social media.

### **ACTIVITIES AND SUPPORT FROM THE PARENT – TEACHER ASSOCIATION**

- 07 parent-teacher meetings were held in 2015.
- Feedback form parents was analysed and required corrective measures taken.
- Many local parents offered active assistance in social and community activities of the colleges, which was gratefully availed.

### **DEVELOPMENT PROGRAMMES FOR SUPPORT STAFF**

- 06 members who had enrolled earlier completed Diploma in management in 2015.
- Spiritual development is offered to all interested staff members by way of Vipassana Sahaj yoga and „Heartfulness“ meditation

### **INITIATIVES FOR ECO-FRIENDLY CAMPUS**

- 500 trees were planted in the Navi Mumbai campus in 2015.
- It is heartening to note that 80% of trees planted in 2014 are well and thriving.
- All existing orders on keeping the campuses polybag free and as no-smoking zones are being implemented strictly.
- 50 solar street lights and 450 LED bulbs were installed at Aurangabad to save energy.
- Water harvesting systems and sewage treatment plants are working satisfactorily.
- To reduce energy consumption, the process has been initiated to replace fluorescent tube lights and CFL bulbs with LED lights only.
- Only star-rated energy efficient electrical appliances like air conditioners, refrigerators, etc are being procured.
- Biomedical waste management is being carried out as per rules and regulations under strict supervision.

## INNOVATIONS AND BEST PRACTICES

### 1. **Innovation in Education:**

#### A. **Competency Based Curriculum**

- Emphasis on Competency Based Curriculum is being placed with the aim of producing a medical graduate who has adequate knowledge skills, and attitudes to function effectively as a practitioner who can cater to the needs of the local community while remaining globally relevant.
- Competence based education involves skills in three domains of cognitive, psychomotor and affective/attitudinal skills.
- The above is in consonance with the guidelines laid out by MCI in Graduate Medical Education – 2012 (GMR 2012). In addition, the following capabilities are envisioned for medical graduates passing out from the University:
- **As a scientist and scholar**, he/she should be able to apply to medical practice:
  - (a) scientific principles, method and knowledge relating to all Basic Sciences.
  - (b) the method and knowledge of psychological principles, population health and the improvement of health and healthcare.
- **As a clinician**, he/she should be able to carry out an efficient and comprehensive patient consultation and clinical examination, provide correct emergency care, prescribe drugs and carry out practical procedures safely and effectively. He/ she should be able to diagnose and manage clinical presentations, and communicate effectively with patients, their relatives and professional colleagues.
- **As a professional**, he/she should follow ethical and legal principles, be able to learn and teach, and function effectively in a multi-disciplinary team.
- To assist in achieving the above, the University has enlisted the services of Professor N.G. Patil MBE, MBBS, MS, FRCS Ed, FCSHK,FHKAM (Surgery), The University of Hong Kong who is a well-known medical educationist. He has conducted a number of seminars and workshops for the faculty on the Competency Based Curriculum.
- The University organised a Workshop on “Global Perspectives on Medical Education & its relevance to India” at MGM Medical College, Navi Mumbai on 6<sup>th</sup> January 2015. The speakers included international faculty including Dr. Ronald M Harden (General Secretary, Association for Medical Education in Europe (AMEE), Dr Patricia Lilley(Operatioal

Director AMEE & Managing Editor of “Medical Teacher” & coordinator of “Best Evidence Medical Education Collaboration”), Dr. Nivritti Patil, Dr Madalena Patricio (AMEE past President) and Dr. John Dent (consultant to AMEE).

- On 9<sup>th</sup> to 11<sup>th</sup> January 2015, an “International Convention on Challenges in Medical Education” was organised at MGM Medical College, Aurangabad. International faculty included Lawrence Sherman, Robert G. Carroll, John Sanders, Madalena Patricio, L.C. Chan, N.G. Patil, Dr. Indika Karunathilake, John Dent, Ronald Harden, and Khalid Bin Abdulrahman. A pre-conference workshop on “Essential Skills in Medical Education” (ESME) by Association for Medical Education in Europe (AMEE) was also held. The topics covered included curriculum of medical education, assessment, multifaceted approach to teaching and learning, integration of medical education with public health services, technology and research, strategies and neglected aspects of medical education, and scope for the future.

#### **B. Linkages with international and national educational bodies**

- MGMIHS participates in live webcasts from Royal College of Physicians, Edinburgh, Scotland. Its frequency is 1-2 per month and each lasts for 2-3 hours. Faculty and PG students have been attending and benefiting from it, as every webcast discusses important clinical topics.
- Educational Webcasts from Indian Universities and Institutions, related to health sciences are transmitted live. Staff and students are informed in advance so that they can attend the same in large numbers.
- Faculty self-appraisal programme has been implemented in MGM Medical College, Aurangabad, and is being introduced in MGM Medical College, Navi Mumbai also.

#### **C. Integrating Gender in Medical Education:**

- The Integrating Gender in Medical Education (GME) project is currently underway in 7 Medical Colleges throughout Maharashtra. This includes 6 Government Medical Colleges and 1 private medical college i.e. MGM Medical College, Navi Mumbai. MGM Medical College is the only private medical college which is involved in this project, and also the only medical college from Mumbai and Navi Mumbai Region which is officially included in the project. Thus in future, MGM Medical College would become a resource institute for integrating gender in medical education for other Medical Colleges in Mumbai and Navi Mumbai.
- The Centre for Enquiry into Health and Allied Themes (CEHAT) with the support of United Nations Population Fund (UNFPA), Directorate of Medical Education and Research (DMER) and Maharashtra University of Health Sciences (MUHS) are the key stakeholders for the project on integrating gender in medical education in Maharashtra. The project aims to sensitise medical students and health professionals to gender inequity and its interaction with health. Specifically, the GME project seeks to achieve gender sensitisation and

awareness on public health issues such as sex selection, abortion and violence against women by integrating gender perspectives in the MBBS curriculum.

- Thus MGM Medical College is leading the cause of Integrating Gender in Medical Education and in the process contributing towards achievement of Millennium Development Goal (MDG 3) i.e. “Promote Gender Equality and Empower Women”.

Innovations in education introduced in 2014 have started showing positive results. These are being monitored closely. The major ones are Integrated learning by Problem based approach, Horizontal & Vertical integration of teaching, Microteaching, Objectively Structured Practical Examination (OSPE) as an assessment tool of learning, Dual degree programmes and Integrated PG-PhD programmes.

All new innovations take time to produce results. So it is good to wait for existing innovative measures to show results rather than keep on introducing more.

## **2. Innovation in Research:**

- **Motivation:**

All undergraduate and postgraduate students are motivated to develop research aptitude from the beginning of their medical education.

- **Faculty promotion rules:**

A minimum number of research publications has been made compulsory for the faculty for promotion.

- **PhD guides:**

PhD guides have been asked to prepare a list of relevant topics in current fields of interest so as to have a ready reference for guiding new students in understanding and selection of an area of study. This helps new scholar to take up the topic for research without wasting much time.

- **Funding:**

All research scholars of the University are motivated and assisted to procure extramural funding through the guidance of the Research Secretariat.

- **Scientific Advisory Committee (SAC)**

This committee has been re-constituted to oversee and monitor the progress of research being carried out in the University. Its members include both senior faculty from the dependent institutions as well as eminent members from other reputed clinical and research institutes. The SAC meets every quarter to address difficulties that may be encountered at various phases of research, and provides appropriate guidance as required.

- **Library:**

The University has a well-stocked library and updated database available for reference, details of which have been given in para 4.3.

- **New equipment for research:**

A flow cytometer has been procured for CD4 cell counts, which facilitates research in immunocompromised patients.

- **Linkages & collaborations:**

Collaborations and Linkages were made with a number of external research agencies for various research projects, some of which are:

- a. Biomechanics Lab (MGM Centre of Human Movement Science with University of Cardiff and IIT Bombay)
- b. Board of Research in Nuclear Medicine, Mumbai
- c. International Society for Biomechanics
- d. NanoSynth Materials & Sensors, USA
- e. IKP Knowledge Park, Hyderabad
- f. Shastri Indo-Canadian Institute, Calgary, Canada.
- g. Department of Biotechnology, Government of India.
- h. Department of Science and Technology, GOI.
- i. ICMR

- **PhDs awarded in 2015:**

05 PhD research scholars were awarded PhD doctorates in 2015.

### **3. Innovation in Governance:**

1. MGMIHS is focusing on delivering participative, inclusive and transparent governance. It doesn't want to be an organization whose role is restricted to being just a regulatory body, framing rules and regulations and supervising their implementation, though that role is an important, inherent responsibility of a university.

MGMIHS believes that a Health Sciences University must be in synch with the health-care needs of the local community. With that in mind, it reaches out to the local community (Raigarh, Aurangabad and Nanded districts of Maharashtra), find out their major health issues, extend a helping hand to them to solve those issues and direct its thrust in research activities towards finding better, safer and cheaper ways of preventing, diagnosing and treating -diseases, both communicable and non - communicable, that afflict large number of people in these communities.

Community Medicine and Clinical departments of both medical colleges of MGMIHS have been assigned these tasks and they have been performing these responsibilities commendably. The rapport built between MGMIHS and the beneficiary communities of these three districts has generated lot of mutual goodwill. Tuberculosis, women- and child health issues and life-style diseases are some of the major areas in which MGMIHS focuses



its research activities because they pose big challenges. to the public health. MGMIHS liaises actively with state and central government health authorities and help them in whatever way possible, to achieve our goal to provide quality health-care to one and all.

As a result of these efforts, MGMIHS has been able to bring about greater awareness of its students, faculty and other staff towards their social responsibilities as healthcare providers. An important positive achievement will be that all students who pass out from MGMIHS as health care providers (doctors, nurses, physiotherapists, technicians) will be better sensitized to serve their communities.

2. To improve the quality of local governance at the university level, MGMIHS holds frequent brain-storming sessions. All issues are discussed thread-bare. Suggestions are invited from all participants about any new regulations and policies to be introduced or amending the existing ones. Younger faculty members are particularly encouraged to come out with new ideas. All good suggestions are noted and put up to relevant expert committees of the university for further deliberations. These committees recommend actionable suggestions to the Board of Management for final approval, after which they are implemented.

**Dr. Rajesh B. Goel**  
Registrar

MGM Institute of Health Sciences  
(Deemed University) Regd. No. 110/1  
Navi Mumbai-410 209

### Annexure I

#### **Abbreviations:**

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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