

## The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

### Part – A

#### 1. Details of the Institution

##### 1.1 Name of the Institution

MGM INSTITUTE OF HEALTH SCIENCES  
[MGMIHS]  
(Deemed University u/s 3 of UGC Act, 1956)

##### 1.2 Address Line 1

3<sup>rd</sup> floor, MGM Educational Campus

##### Address Line 2

Sector -1, Kamothe

##### City/Town

Navi Mumbai

##### State

Maharashtra

##### Pin Code

410209

##### Institution e-mail address

registrar@mgmuhs.com

##### Contact Nos.

022-27437694,  
9820362185(Registrar)

##### Name of the Head of the Institution:

Dr. Shashank D. Dalvi

##### Tel. No. with STD Code:

022-2743 7602

Mobile: 9422202126 (Vice Chancellor)

Name of the IQAC Co-ordinator: Dr Siddharth P. Dubhashi

Mobile: 9881624422 (Coordinator)

IQAC e-mail address: iqac@mgmuhs.com

1.3 NAAC Track ID (For ex. MHC0GN 18879) MHUNGN11010

1.4 NAAC Executive Committee No. & Date: EC/66/A&A/082 dated 21<sup>st</sup> Feb 2014

(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)

1.5 Website address: www.mgmuhs.com

Web-link of the AQAR: <http://mgmuhs.com/Reports/AQAR2017-18.pdf>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

#### 1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.07	2014	5
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY 21/11/2013

1.8 AQAR for the year (for example 2010-11) 2017 - 18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR (2013-2014) submitted to NAAC on 25/2/2015 by email acknowledgment email received from CAPU-AQAR of NAAC on 15<sup>th</sup> March 2015
- ii. AQAR(2014-2015) submitted to NAAC on 25/2/2016 by email acknowledgment email received from CAPU-AQAR of NAAC on 15<sup>th</sup> March 2016
- iii. AQAR(2015-2016) submitted to NAAC on 31/3/2017 by email acknowledgment email received from CAPU-AQAR of NAAC on 31<sup>st</sup> March 2017
- iv. AQAR(2016-2017) submitted to NAAC on 21/12/2018 by email acknowledgment email received from CAPU-AQAR of NAAC on 26<sup>th</sup> December 2018

1.10 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

| Grant-in-aid + Self Financing  Totally Self-financing

### 1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

### 1.12 Name of the Affiliating University (*for the Colleges*)

### 1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

### 2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and  
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

01

2.9 Total No. of members

26

2.10 No. of IQAC meetings held

4

2.11 No. of meetings with various stakeholders No.

12

Faculty

6

Non-Teaching Staff

2

Students

2

Alumni

2

Others

2.12 Has IQAC received any funding from UGC during the year? Yes

No

If yes, mention the amount

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2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

2

International

National

1

State

Institution Level

1

(ii) Themes

- Quality Bench marks in Higher education.
- Professionalism and ethics

2.14 Significant Activities and contributions made by IQAC

- Induction programme for UG and PG students
- Advanced Automated Mannequins are added in the skill lab.
- Induction training of interns and residents on advanced automated mannequins.
- Certified BLS Training for all teaching and non-teaching staff at regular interval.
- Certified ALS Training for Teaching Faculty and PG Students
- Training for various codes (Red, Blue, Green) for faculty, resident and non teaching staff.
- Fire safety training for teaching and non teaching staff.
- Feedback from stakeholders
- Restructuring of committees such as Antiragging, Student council, Green Audit committee, and Hospital Committees.
- Prescription Audit
- National Conference (EDUCON 2018) in February 2018
- Revision of Research and consultation policy.
- Promotion of awareness regarding Gandhian philosophy amongst faculty and students
- Augmentation of transplant program.
- Body Donation Awareness
- Tree Plantation Programs.
- Automation of Exam section, Library
- SPSS training for teaching, non-teaching staff and students.

2.15 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 \*

Plan of Action	Achievements
Liver Transplant Unit	Initiated at MGM Medical College of hospital, Aurangabad
Induction Training of PG Students	03 sessions taken
Induction Training of interns	Resident doctor manual prepared and given to all PG students.
Online feedback system	Online feedback form uploaded on college website for direct input from students.
Online updating of research publication of faculty and PG students.	Link has been updated on college website to fill up the details of research publications by faculty and PG students.
Ethics (informed consent process) and Protocol writing training of PG student	Training program added in August 2017 and September 2017

\* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body      Yes  No

Management       Syndicate       Any other body

Provide the details of the action taken

**Part – B**

**Criterion – I**

**1. Curricular Aspects**

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes Programme (Courses)	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	1 (36)	1(6)	1 (36)	
PG	16 (240)	2(18)	16 (240)	
UG	13 (169)	2(39)	13 (169)	
PG Diploma	1 (8)	-	1 (8)	
Advanced Diploma	1(5)	-	1(5)	
Diploma	1	1	1	
Certificate	1	1	1	
Others DM/MCh	2 (5)	-	2	5
<b>Total</b>	<b>36 (463)</b>	<b>9(63)</b>	<b>36 (463)</b>	<b>5</b>

Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: **CBCS**/Core/Elective option / Open options:**8**

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	12
Trimester	
Annual	24

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
(On all aspects)

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

<b>Program name of revised syllabus</b>	<b>Year of revision</b>	<b>Percentage of syllabus content added or replaced</b>	<b>Relevant BOM minutes</b>	<b>Relevant Minutes of Academic council meetings</b>
MBBS	2017-2018	5 marks for day-day assessment for Pre and Para clinical subjects and for rest of the subjects, internal assessment is to be calculated from terminal/ Post end exam marks and prelims examination with immediate effect.	Resolution No: 1.3.7.1 of BOM 51/2017	AC 26/2017
		Resolved to shift topic "General Physiology" from Paper-I to Paper-II topics in first MBBS university examination from the academic year 2017-18	Resolution No: 1.3.7.2 of BOM 51/2017	AC 26/2017
		Resolved to include Bioethics in first MBBS curriculum with three lectures(1 hr each) per subject of Anatomy, Physiology, Biochemistry with topics such as : Anatomy - 1. Cadaveric oath, 2. Genetic counselling, 3. Biomedical waste disposal; Physiology: 1. Animal ethics, 2. Research ethics , 3. Patient's privacy and confidentiality; Biochemistry: 1. Prudence of investigations, confidentiality of tests and results, 2. Disposal of investigation material and integrity, 3. Informed consent	Resolution No.1.3.7.3 of BOM-51/2017	AC 26/2017
		To include "Lecture cum Demonstration" on Glucose Tolerance Test in UG syllabus of Biochemistry with effective from Academic year 2017-18	Resolution No;1.3.7.4 of BOM-51/2017	AC 26/2017
		Resolved that in the absence of positive findings in the stool mounts, students may be asked to draw diagrams/ identify the possible findings of Ova/	Resolution No:1.3.8.1 of BOM-51/2017	AC 26/2017

		Cyst/Trophozoites in microbiology practical examination to be effective immediately		
		Resolved to include adverse drug reaction (ADR) reporting in IInd MBBS curriculum for the 2nd MBBS students in the year 2017-18	Resolution No: 1.3.8.3 of BOM -51/2017	AC 26/2017
		Resolved to include demonstration of various injection techniques on dummy model (mannequins) in Pharmacology practical teaching for the batch entering 2nd MBBs in the year 2017-18	Resolution No: 1.3.8.4 of BOM -51/2017	AC 26/2017
		Resolved to introduce i) Problem case discussion (problem based learning) in all para clinical subjects on topics identified from batch entering in IInd MBBS in 2017-18 onwards (Annexure-VI)	Resolution No: 1.3.8.8 of BOM -51/2017	AC 26/2017
		Resolved to approve topics for vertical and horizontal integrated teaching in IInd MBBS curriculum from 2017-18 batch onwards (Annexure-X)	Resolution No: 1.3.8.13 of BOM -51/2017	AC 26/2017
		Resolved to include following Bioethics topics in UG Curriculum for departments of OBGY, Surgery, Orthopedics, ENT, Ophthalmology, Radiology, Anesthesia: Concept of Autonomy, Informed consent, Communication skills, Patient rights, Withholding/Withdrawing life saving treatment	Resolution No: 1.3.10.3 of BOM -51/2017	AC 26/2017
		Resolved to allot 7 days from surgery clinical rotation in 8th semester for Anesthesia, in MBBS curriculum for Anesthesiology, which will be utilized for training in Cardiopulmonary resuscitation on mannequin, Anesthesia machine, Airway equipment, Emergency drugs. This is effective for the batch entering 8th semester from Feb	Resolution No: 1.3.10.8 of BOM -51/2017	AC 26/2017

		2018 onwards		
		Resolved to approve internal assessment pattern and its calculation from the batch entering into III-2 and III-1 from february 2018 onwards. A. OBGY: (Theory: VI:40 marks, VII:40 marks, Prelims:80 marks) -reduced to 20 marks, (practical:VIII:40 marks, prelims:80 marks) -reduced to 20 marks; B. Surgery: (Theory: VI:60 marks, VIII:60 marks, Prelims:120 marks) -reduced to 20 marks, (practical:VI:60 marks, VIII:60 marks, Prelims:120 marks) - reduced to 20 marks; C. Ophthalmology: (Theory: VI:40 marks, Prelims:40 marks) -reduced to 10 marks, (practical:VI:40 marks, Prelims:40 marks) -reduced to 10 marks; D.ENT: (Theory: VI:40 marks, Prelims:40 marks) -reduced to 10 marks, (practical:VI:40 marks, Prelims:40 marks) -reduced to 10 marks	Resolution No: 1.3.10.9 of BOM - 51/2017	AC 26/2017
		Approved integrated teaching topics for the following departments: OBGY: vertical integration with department of 1. Medicine: Heart disease and Liver disease, 2. Surgery: Appendicitis, Appendicular abscess, Obstruction, 3. Pediatrics: Neonatal resuscitation, Birth asphyxia, Neonatal Jaundice, APGAR score, 4. Anatomy: Pelvic dissection, 5. Anesthesia:Labor analgesia; Surgery: 1. peptic ulcer, 2. Thyroid, 3. Breast; 4.Salivary gland, 5. Shock, 6. Blood and blood transfusion, 7. Liver, 8. Hematemesis, 9. Urinary retention; ENT: 1. Anatomy of larynx, Physiology of phonation, Larynx disease 2. Thyroid anatomy , physiology, Medicine, ENT-surgery, 3. Vestibular system anatomy, physiology, ENT		AC 26/2017

MD	2017-2018	Resolved to include following Bioethics topics in PG Curriculum are to be included for all specializations and sensitization of these topics can be done during PG induction program: Concept of Autonomy, Informed consent, Confidentiality, Communication skills, Patient rights, Withholding/Withdrawing life saving treatment, Palliative care, Issues related to organ transplant, Surgical research and surgical innovation, Hospital ethics committee, Doctor-Patient relationship.	Resolution no: 1.3.7.11 of BOM-51/2017	AC 26/2017
MD		Accepted to have PG topics (50hrs) in Anatomy, Physiology and Biochemistry (Annexure-IV)	Resolution No;1.3.7.13 of BOM-51/2017	AC 26/2017
MD		Resolved to approve subject wise topics for PG teaching (Microbiology, Pathology, Pharmacology, FMT)- (Annexure-V)	Resolution No: 1.3.8.5 of BOM -51/2017	AC 26/2017
MD		Resolved to introduce research protocol writing and criticism of research paper under the subhead of clinical pharmacology in MD Pharmacology practical examination from May/June 2018 examination onwards (Annexure-VIII)	Resolution No: 1.3.8.10 of BOM -51/2017	AC 26/2017
MD		Introduction of Portfolio cases in PG internal exams (General Medicine) for the immediate batch onwards (Annexure-XI)	Resolution No: 1.3.9.12 of BOM -51/2017	AC 26/2017
MD		Resolved to approve the change in MD Anesthesia practical examination pattern as: 400 marks will be divided into, 1 long case: 100 marks, 2 short cases: 100 marks (50 marks each). Table viva with ECG, Drugs, CPR and Anesthesia Machine: 200 marks (50 marks each). To be implemented from May-June 2018 examination onwards	Resolution No: 1.3.10.5 of BOM -51/2017	AC 26/2017

MS		Change in the pattern of MS Surgery practical examination from May/June 2018 onwards as: Clinical: One long case -100marks, two short cases (50 marks each), ward rounds (4 cases; 25 marks each) : total -300 marks. Viva-Surgical anatomy-15 marks, surgical pathology -15 marks, radiology -15marks, Instruments, catheters-20marks, operative surgery -25marks, microteaching -10marks . Total-100marks.	Resolution No: 1.3.10.19 of BOM - 51/2017	AC 26/2017
MS		Resolved to include following Bioethics topics in PG Curriculum are to be included for all specializations and sensitization of these topics can be done during PG induction program: Concept of Autonomy, Informed consent, Confidentiality, Communication skills, Patient rights, Withholding/Withdrawing life saving treatment, Palliative care, Issues related to organ transplant, Surgical research and surgical innovation, Hospital ethics committee, Doctor-Patient relationship.	Resolution no: 1.3.7.11 of BOM- 51/2017	AC 26/2017
	MGM School of Biomedical Sciences Navi Mumbai	B.Sc. Perfusion Technology	Resolution No. 1.3.14.17 of BOM - 51/2017 : Resolved not to have separate papers i.e. 5 papers for 5 subjects for B.Sc. 1st year since syllabus based on CBCS semester pattern is to be made effective from 2018-19 onwards.	
		B.Sc. Dialysis Technology	Resolution No. 1.3.14.17 of BOM - 51/2017 : Resolved not to have separate papers i.e. 5 papers for 5 subjects for B.Sc. 1st year since syllabus based on CBCS semester pattern is to	AC 26/2017

			be made effective from 2018-19 onwards.	
		B.Sc. Optometry	Resolution No. 1.3.14.17 of BOM - 51/2017 : Resolved not to have separate papers i.e. 5 papers for 5 subjects for B.Sc. 1st year since syllabus based on CBCS semester pattern is to be made effective from 2018-19 onwards.	AC 26/2017
		B.Sc. OT & AT Technology	Resolution No. 1.3.14.17 of BOM - 51/2017 : Resolved not to have separate papers i.e. 5 papers for 5 subjects for B.Sc. 1st year since syllabus based on CBCS semester pattern is to be made effective from 2018-19 onwards.	AC 26/2017
		B.Sc. Cardiac Technology	Resolution No. 1.3.14.17 of BOM - 51/2017 : Resolved not to have separate papers i.e. 5 papers for 5 subjects for B.Sc. 1st year since syllabus based on CBCS semester pattern is to be made effective from 2018-19 onwards.	AC 26/2017
		B.Sc. Medical Imaging Technology	Resolution No. 1.3.14.17 of BOM - 51/2017 : Resolved not to have separate papers i.e. 5 papers for 5 subjects for B.Sc. 1st year since syllabus based on CBCS semester pattern is to	AC 26/2017

			be made effective from 2018-19 onwards.	
		B.Sc. Medical Laboratory Technology	Resolution No. 1.3.14.17 of BOM - 51/2017 : Resolved not to have separate papers i.e. 5 papers for 5 subjects for B.Sc. 1st year since syllabus based on CBCS semester pattern is to be made effective from 2018-19 onwards.	AC 26/2017

	MGM School of Biomedical Sciences Navi Mumbai	M.Sc.Medical Anatomy	Resolution No. 1.3.11.13 of BOM-51 /2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	AC 26/2017
		M.Sc.Medical Biochemistry	Resolution No. 1.3.11.13 of BOM-51 /2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted	AC 26/2017

			in 2017-18) onwards	
		M.Sc.Medical Pharmacology	Resolution No. 1.3.11.13 of BOM-51/2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	AC 26/2017
		M.Sc.Medical Physiology	Resolution No. 1.3.11.13 of BOM-51/2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	AC 26/2017
		M.Sc.Medical Microbiology	Resolution No. 1.3.11.13 of BOM-51/2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in admitted in 2017-18) onwards 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch	
		M.Sc.Medical Biotechnology	Resolution No. 1.3.11.13 of BOM-51/2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and	AC 26/2017

			M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	
			1 Resolution No. 1.3.11.13 of BOM-51/2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards. 2. Resolution No.1.3.11.7 of BOM-51/2017: Resolved to include normal metabolism (Biochemistry) in Semester I of M.Sc. Medical Genetics w.e.f. academic year 2017-18 .	
		M.Sc.Medical Genetics		AC 26/2017
			Resolution No. 1.3.11.13 of BOM-51/2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	
		M.Sc. Clinical Embryology		
			Resolution No. 1.3.11.13 of BOM-51/2017: Resolved to include IPR &	
		M.Sc. Molecular Biology		AC 26/2017

			Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	
		Clinical Nutrition	Resolution No. 1.3.11.13 of BOM-51 /2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	AC 26/2017
		Masters of Public Health	Resolution No. 1.3.11.13 of BOM-51 /2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	AC 26/2017
		Master in Hospital Administration	Resolution No. 1.3.11.13 of BOM-51 /2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted	AC 26/2017

			in 2017-18) onwards	
		M.Sc. Biostatistics	Resolution No. 1.3.11.13 of BOM-51/2017: Resolved to include IPR & Bioethics in all M.Sc. (2 year courses ) in 4th semester and M.Sc. (3 year courses) in 6th semester as an elective subject from batch admitted in 2017-18) onwards	AC 26/2017
	BPT	2018	<b>Resolution No 3.11.1:</b> Resolved to increase time duration of following subjects to 2hours at internal and University examination. <b>Resolution no 3.11.3:</b> resolved to maintain two different answer booklets for two sections of question paper with separate bar coding for all BPT batches appearing in University July 2018 examination onwards.	AC 26/2017
	MPT	2018	<b>Resolution no. 3.11.4:</b> Resolved to approve minor corrections in MPT syllabus, Sports Physiotherapy Speciality	AC 26/2017
	Department of Prosthetics and Orthotics	Bachelor in Prosthetics and Orthotics (B.P.O.)	Year of revision is 2016, applicable from 2017-18 Batch.	AC 26/2017

**Resolution No. 3.5.1 of BOM-52/2018:** Resolved to have Internal Assessment for each subject in 1<sup>st</sup> (MBBS) as mentioned below, with effect from batch admitted in 2017-18 onwards.

**Resolution No. 3.5.2 of BOM-52/2018:** It was resolved to conduct Bioethics as lecture schedule in MBBS in **Anatomy**, Physiology, and Biochemistry with topics & time table as mentioned below, with effect from batch admitted in 2017-18 onwards.

**Resolution No. 3.5.4 of BOM-52/2018:** Resolved to add Question on Clinical lab data interpretation (10x5 = 50 marks) in MD Biochemistry practical examination, with effect from batch appearing in University April 2019 examination onwards.

**Resolution No. 3.5.1 of BOM-52/2018:** Resolved to have Internal Assessment for each subject in 1<sup>st</sup> (MBBS) as mentioned below, with effect from batch admitted in 2017-18 onwards.

**Resolution No. 3.5.2 of BOM-52/2018:** It was resolved to conduct Bioethics as lecture schedule in MBBS in **Anatomy**, Physiology, and Biochemistry with topics & time table as mentioned below, with effect from batch admitted in 2017-18 onwards.

**Resolution No. 3.5.4 of BOM-52/2018:** Resolved to add Question on Clinical lab data interpretation (10x5 = 50 marks) in MD Biochemistry practical examination, with effect from batch appearing in University April 2019 examination onwards.

**Resolution No. 3.5.7 of BOM-52/2018:** Resolved to include the below mentioned topics of Bioethics in PG Curriculum, with effect from batch admitted in 2016-17 onwards.

**Resolution No. 3.5.8 of BOM-52/2018:** It was resolved that 2 horizontal & 1 Vertical integration will be taken per term in 1st MBBS, with effect from batch admitted in 2017-18 onwards. [**Annexure-II A, II B, II C & II D**].

**Resolution No. 3.5.10 of BOM-52/2018:** It is resolved that department of Community Medicine will be the nodal department to conduct the AECC (Environmental studies) in the existing curriculum. For certain specific topics external guest faculty can be called and student of different programme can attend these guest lectures. BOS (Medicine & Allied) Chairperson was requested to put up details in the next BOS.

**Resolution No. 3.6.1 of BOM-52/2018:** Resolved to approve the updated Practical Record book for 2<sup>nd</sup> MBBS (Pharmacology), with effect from batch entering in IInd MBBS in August/September 2017 onwards. [**Annexure-III**].

**Resolution No. 3.6.2 of BOM-52/2018:** Resolved to introduce hands-on training of various routes of administration on dummy model (Mannequins) in Pharmacology Practical teaching for MBBS, with effect from batch entering in IInd MBBS in August/September 2017 onwards.. [**Annexure-IV**].

**Resolution No. 3.7.7 of BOM-52/2018:** Resolved to add the Respiratory failure, Sleep Apnea Syndrome & Pulmonary Embolism topics in 3<sup>rd</sup> MBBS (Part-I) and BOM reiterated earlier BOM Resolution i.e. **Resolution No. 3.3(a): of BOM-43/2015 dt. 06/11/2015**.

**Resolution No. 3.7.9 of BOM-52/2018:** Resolved that teaching “Disaster Management” for all the students and subject inclusion in curriculum (under UGC) would be in collaboration/integrated with Community Medicine Department in the 6<sup>th</sup> semester of MBBS.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

- MGMIHS OMICS Research Centre contributed in establishment and functioning of MGM Incubation and Innovation centre.
- MGMIHS OMICS Research Centre initiated collaborative project with Pavan Green biotechnologies on 'Fish Waste Management through Biotechnological Intervention'
- B. Optometry, is now introduced as separate course with semester System
- M.Sc. Nurse Practitioner Critical Care Nursing Programme is introduced in the academic year 2017 -2018. Approved by Indian Nursing Council and Maharashtra nursing Council for 20 seats.
- Health Profession Education department is established in 2017-18

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
516	178	114	133	91

2.2 No. of permanent faculty with Ph.D.

66

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
76	47	36	32	24	30	26	57	136	166

2.4 No. of Guest and Visiting faculty and Temporary faculty

G-60 V-28 T-21

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	104	463	420
Presented papers	41	101	56
Resource Persons	12	89	61

## 2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Skill lab is upgraded and use of mannequins is encouraged for training of UG & PG students in basic invasive procedures.
- A part from horizontal integration vertical integration is also emphasized regularly.
- Use of Simulation software instead of animal experiments in Physiology & Pharmacology department.
- Advanced simulator is used to provide safe environment for learning basic skills, communication skills & Analytical skills.
- Use of ICT based learning tools for effective teaching-learning process - Use of smart interactive board for lecture.
- Problem Based learning, case based learning.
- Soft skills training for students.
- Computer assisted teaching learning via educational CD's & videos.
- Monthly assessment of students by taking theory tests and MCQ examination.
- Use of laptops and audio visual aids in focused group, research focused journal club
- Remedial classes for the slow learner students
- MGM Institute of Health Sciences is a Health Science University. The MOOC courses available on SWAYAM platform are mostly non-medical. However, Courses under "Science, 'General,' 'Education' category like "ICT based teaching learning", 'Research Methodology', 'Forensic Medicine', 'Forensic Toxicology' etc. have been adopted by the University for faculties and research scholars. It will be implemented from academic year 2018-19 onwards.
- 11 Proposals for MOOC courses such as Pelvic Anatomy, Understanding ECG, Nutrition, Medical Parasitology, Physical activity & fitness, Infection control etc. have been approved by Academic bodies of MGMIHS. University is in process of sending these proposals to the National Coordinator for approval and for providing funding to prepare the courses.
- DD Free Dish have been installed for accessing SWAYAM Prabha Channels.
- The Institute has started utilizing the Cloud ERP Module for assigning homework for students, Attendance Module, Time table Structure for students as well as Faculties. Application and sanction of Leave for faculties.
- 5 number of villages adopted in translating their knowledge for digital information.

2.7 Total No. of actual teaching days

260

during this academic year

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

1. Open Book Examination
2. Seminars for post graduation courses were conducted.
3. Task analysis and structured revision classes for B.Sc students
4. Formative Assessment
5. Monthly Written Tests
6. OSCE for internal assessment
7. Complete automation of examination system.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

BOS -331	AC - 123	BOM -37
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2.10 Average percentage of attendance of students

82%
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2.11 Course/Programme wise distribution of pass percentage :

Month	Name of Examination	No. Students Appeared	Pass Percentage of Result	Distinction 75-100 %	I 60-74 %	II 50-59 %
Jul-17	First B.Sc. (Allied Health Sciences)Navi Mumbai	171	47%	3	36	41
Jul-17	First B.Sc. (Allied Health Sciences) Aurangabad	59	39%	0	13	10
Jul-17	Second Year B. Sc. (Cardiac Care Technology) (NM)	9	100%	0	8	1
Jul-17	Second Year B. Sc. (Cardiac Care Technology) Aurangabad	2	100%	0	0	2
Jul-17	Second Year B. Sc. (Dialysis Technology ) (NM)	16	75%	0	7	5
Jul-17	Second Year B. Sc. (Dialysis Technology ) Aurangabad	3	67%	0	0	2
Jul-17	Second Year B. Sc. (Medical Imaging Technology) (NM)	28	82%	0	20	3
Jul-17	Second Year B. Sc. (Medical	11	64%	0	5	2

	Imaging Technology) Aurangabad					
Jul-17	Second Year B. Sc. (Medical Laboratory Technology) (NM)	28	61%	2	11	4
Jul-17	Second Year B. Sc. (Medical Laboratory Technology) Aurangabad	3	67%	0	0	2
Jul-17	Second Year B. Sc. (Perfusion Technology ) (NM)	9	56%	4	1	0
Jul-17	Second Year B. Sc. (Perfusion Technology )Aurangabad	4	50%	0	0	2
Jul-17	Second Year B. Sc. (Operation Theater Technology & Anesthesia Technology ) (NM)	19	89%	0	12	5
Jul-17	Second Year B. Sc. ( Optometry ) Navi Mumbai	16	81%	0	8	4
Jul-17	Second Year B. Sc.( Optometry ) Aurangabad	12	83%	0	1	9
Jul-17	Third Year B. Sc. (Cardiac Care Technology) (NM)	14	100%	0	7	7
Jul-17	Third Year B. Sc. (Cardiac Care Technology) Aurangabad	12	100%	0	2	10
Jul-17	Third Year B. Sc. (Dialysis Technology ) (NM)	14	100%	1	11	2
Jul-17	Third Year B. Sc. (Dialysis Technology ) Aurangabad	6	67%	0	4	0

Jul-17	Third Year B. Sc. (Medical Imaging Technology) (NM)	17	100%	0	14	3
Jul-17	Third Year B. Sc. (Medical Imaging Technology) Aurangabad	17	76%	0	5	7
Jul-17	Third Year B. Sc. (Medical Laboratory Technology) (NM)	19	84%	0	12	4
Jul-17	Third Year B. Sc. (Medical Laboratory Technology) Aurangabad	12	92%	0	9	2
Jul-17	Third Year B. Sc. (Operation Theater Technology & Anesthesia Technology) (NM)	22	73%	0	6	10
Jul-17	Third Year B. Sc. (Operation Theater Technology & Anesthesia Technology) (Aurangabad)	9	56%	1	4	0
Jul-17	Third Year B. Sc. (Optometry) (NM)	13	100%	1	10	2
Jul-17	Third Year B. Sc. (Optometry) Aurangabad	8	50%	0	0	4
Jul-17	Third Year B. Sc. (Perfusion Technology) (NM)	20	95%	1	18	0
Jul-17	Third Year B. Sc. (Perfusion Technology) Aurangabad	5	100%	0	0	5
Jan-18	First B.Sc. (Allied Health Sciences) Nav i Mumbai	79	33%	0	0	26
Jan-18	First B.Sc. (Allied Health)	32	50%	0	0	16

	Sciences) Aurangabad					
Jan-18	Second Year B. Sc. (Dialysis Technology ) (NM)	5	100%	0	0	5
Jan-18	Second Year B. Sc. (Dialysis Technology ) Aurangabad	2	100%	0	0	2
Jan-18	Second Year B. Sc. (Medical Imaging Technology) (NM)	4	50%	0	0	2
Jan-18	Second Year B. Sc. (Medical Imaging Technology) Aurangabad	4	75%	0	0	3
Jan-18	Second Year B. Sc. (Medical Laboratory Technology) (NM)	10	20%	0	0	2
Jan-18	Second Year B. Sc. (Perfusion Technology ) (NM)	4	75%	0	0	3
Jan-18	Second Year B. Sc. (Perfusion Technology ) Aurangabad	2	100%	0	0	2
Jan-18	Second Year B. Sc. (Operation Theater Teachnology & Anesthesia Technology ) (NM)	1	100%	0	0	1
Jan-18	Second Year B. Sc. ( ) Optometry ) Navi Mumbai	4	50%	0	0	2
Jan-18	Second Year B. Sc.( ) Optometry ) Aurangabad	5	60%	0	0	3
Jan-18	Third Year B. Sc. (Cardiac Care Technology)	1	100%	0	0	1

	Aurangabad					
Jan-18	Third Year B. Sc. (Dialysis Technology ) Aurangabad	3	67%	0	0	2
Jan-18	Third Year B. Sc. (Medical Imaging Technology) (NM)	1	100%	0	0	1
Jan-18	Third Year B. Sc. (Medical Imaging Technology) Aurangabad	4	100%	0	0	4
Jan-18	Third Year B. Sc. (Medical Laboratory Technology) (NM)	2	100%	0	0	2
Jan-18	Third Year B. Sc. (Medical Laboratory Technology) Aurangabad	1	100%	0	0	1
Jan-18	Third Year B. Sc. (Operation Theater Technology & Anesthesia Technology ) (NM)	5	100%	0	0	5
Jan-18	Third Year B. Sc. (Operation Theater Technology & Anesthesia Technology ) (Aurangabad)	4	75%	0	0	3
Jan-18	Third Year B. Sc. ( Optometry ) (NM)	1	100%	0	0	1
Jan-18	Third Year B. Sc. ( Optometry ) Aurangabad	9	100%	0	0	9
Jan-18	Third Year B. Sc. (Perfusion Technology ) (NM)	2	100%	0	0	2
Jan-18	First Semester B. Optometry (Navi Mumbai	44	73%	0	7	25

Jan-18	First Semester B. Optometry (Aurangabad)	19	68%	0	10	3
Jun-17	First M.Sc. Medical Courses (Navi Mumbai)	7	71%	0	1	4
Jun-17	First M.Sc. Medical Courses (Aurangabad)	1	100%	0	1	0
Jun-17	First M.Sc. Medical Biotech (Navi Mumbai)	2	100%	0	0	2
Jun-17	Second M.Sc. Medical Course (Navi Mumbai)	22	82%	0	12	6
Jun-17	Second M.Sc. Medical Course (Aurangabad)	4	75%	0	0	3
Jun-17	Second M.Sc. Biotechnology & Genetics (Navi Mumbai)	12	100%	4	8	0
Jun-17	Third Sem - M.Sc. Medical Biotechnology (NM)	3	100%	0	0	3
Jun-17	Fourth M.Sc. Medical Courses (Navi Mumbai)	8	88%	0	4	3
Jun-17	Fourth M.Sc. Medical Courses (Aurangabad)	3	100%	0	2	1
Jun-17	Fourth Sem - M.Sc. Medical Biotechnology (NM)	6	100%	0	6	0
Jun-17	Fourth Sem - M.Sc. Medical Genetics (NM)	1	100%	0	1	0
Jun-17	Fourth Sem M.Sc. Clinical Embrology	2	100%	0	2	0

	(NM)					
Jun-17	Fourth Sem M.Sc. Molecular Biology (NM)	3	100%	2	1	0
Jun-17	Fifth Sem M.Sc. Medical Courses (Aurangabad)	1	0%	0	0	1
Jun-17	Sixth M.Sc. Medical Courses(Navi Mumbai)	12	83%	2	5	3
Jun-17	Sixth M.Sc. Medical Courses(Aura ngabad)	3	100%	0	1	2
Dec-17	First M.Sc. Medical Courses (Navi Mumbai)	15	67%	0	5	5
Dec-17	First M.Sc. Medical Courses (Aurangabad )	2	50%	0	1	0
Dec-17	First M.Sc. Medical Biotech (Navi Mumbai)	6	83%	0	5	0
Dec-17	First M.Sc. Medical Genetics (Navi Mumbai)	6	83%	1	3	1
Dec-17	First M.Sc. Medical Genetics (Aurangabad)	2	50%	0	0	1
Dec-17	First M.Sc. Molecular Biology (Navi Mumbai)	5	60%	1	2	0
Dec-17	First Master In Hospital Administratio n (Navi Mumbai)	11	73%	0	8	0
Dec-17	First M.Sc. Biostatistics (Navi Mumbai)	1	0%	0	0	0

Dec-17	Second M.Sc. Medical Course (Navi Mumbai)	4	100%	0	0	0
Dec-17	Second M.Sc. Medical Course (Aurangabad)	1	100%	0	0	1
Dec-17	Third M.Sc. Medical Course (Navi Mumbai)	21	76%	1	10	5
Dec-17	Third M.Sc. Medical Course (Aurangabad)	2	100%	0	2	0
Dec-17	Third Sem - M.Sc. Medical Biotechnology (NM)	9	100%	3	6	0
Dec-17	Third Sem M.Sc. Medical Genetics (Navi Mumbai)	3	100%	1	2	0
Dec-17	Fourth M.Sc. Medical Courses (Navi Mumbai)	1	100%	0	1	0
Dec-17	Fourth Sem - M.Sc. Medical Biotechnology (NM)	3	100%	0	3	0
Dec-17	Fifth Sem M.Sc. Medical Courses (Navi Mumbai)	8	100%	0	8	0
Dec-17	Fifth Sem M.Sc. Medical Courses (Aurangabad)	1	100%	0	1	0
Dec-17	Sixth M.Sc. Medical Courses (Navi Mumbai)	2	100%	0	0	0
Jun-18	First M.Sc. Medical Courses (Navi Mumbai)	4	50%	0	1	0
Jun-18	First M.Sc. Medical Biotech	1	0%	0	0	0

	(Navi Mumbai)					
Jun-18	First M.Sc. Medical Genetics (Navi Mumbai)	1	100%	0	0	1
Jun-18	First M.Sc. Molecular Biology (Navi Mumbai)	2	100%	0	0	0
Jun-18	First Master In Hospital Administration (Navi Mumbai)	3	100%	0	0	3
Jun-18	First M.Sc. Biostatistics (Navi Mumbai)	1	100%	0	0	1
Jun-18	Second M.Sc. Medical Course (Navi Mumbai)	15	93%	0	10	4
Jun-18	Second M.Sc. Medical Course (Aurangabad)	1	100%	0	1	0
Jun-18	Second M.Sc. Medical Biotech (Navi Mumbai)	4	50%	0	2	2
Jun-18	Second M.Sc. Medical Genetics (Navi Mumbai)	6	67%	1	3	0
Jun-18	Second M.Sc. Medical Genetics (Aurangabad)	1	100%	0	1	0
Jun-18	Second M.Sc. Molecular Biology (Navi Mumbai)	5	80%	1	3	0
Jun-18	Second Master In Hospital Administration (Navi Mumbai)	11	82%	1	8	0
Jun-18	Second M.Sc. Biostatistics (Navi)	1	0%	0	0	0

	Mumbai)					
Jun-18	Third M.Sc. Medical Course (Navi Mumbai)	5	100%	0	2	3
Jun-18	Third M.Sc. Medical Course (Aurangabad)	1	100%	0	1	0
Jun-18	Fourth M.Sc. Medical Courses (Navi Mumbai)	20	100%	0	13	7
Jun-18	Fourth M.Sc. Medical Courses (Aurangabad)	2	100%	0	2	0
Jun-18	Fourth Sem - M.Sc. Medical Biotechnology (NM)	9	100%	0	9	0
Jun-18	Fourth Sem - M.Sc. Medical Genetics (NM)	3	100%	0	3	0
Jun-18	Sixth M.Sc. Medical Courses(Navi Mumbai)	8	100%	0	8	0
Jun-18	Sixth M.Sc. Medical Courses(Aurangabad)	1	0%	0	0	0
Jul-17	Second MBBS (NM)	54	64.81	0.00	0.00	35
Jul-17	Second MBBS (A'bad)	42	85.71	0.00	0.00	36
Jul-17	Third MBBS (Part-I) NM	32	81.25	0.00	0.00	26
Jul-17	Third MBBS (Part-I) A'bad	18	83.33	0.00	0.00	15
Aug-17	First MBBS (NM)	152	95.39	75.00	6.58	13.81

Aug-17	First MBBS (A'bad)	150	92.00	69.33	20.00	0.00
Oct-17	First MBBS (NM)	7	100.00	0.00	0.00	7
Oct-17	First MBBS (A'bad)	12	91.67	0.00	0.00	0.00
Jan-18	Second MBBS (NM)	119	87.39	64.71	10.92	0.00
Jan-18	Second MBBS (A'bad)	172	90.70	53.49	33.14	0.00
Jan-18	Third MBBS (Part-I) NM	151	90.73	43.71	39.07	0.00
Jan-18	Third MBBS (Part-I) A'bad	143	80.42	23.78	55.94	0.00
Jan-18	Third MBBS (Part-II) NM	171	73.10	28	33	0
Jan-18	Third MBBS (Part-II) A'bad	142	66.90	27	38	0
July-17	I B.P.Th (Part -I) NM(Old Batch)	2	100.0%	-	-	2
July-17	III B.P.Th NM	78	100.0%	-	-	78
July-17	III B.P.Th Abad	39	100.0%	-	-	39
July-17	I BPT(New Batch) A'bad 2014- 2015	3	100.0%	-	-	3
July-17	I BPT(New Batch) NM	84	91.8%	-	-	80

July-17	I BPT(New Batch) A'bad	66	95.7%	-	-	61
July-17	II BPT NM	57	100.0%	-	-	57
July-17	II BPT A'bad	39	100.0%	-	-	39
July-17	III BPT NM	54	100.0%	-	-	54
July-17	III BPT A'bad	23	100.0%	-	-	23
Sep-17	I B.P.Th (Part -I) NM(Old Batch)	1	0.0%	-	-	-
Sep-17	III B.P.Th NM	23	100.0%	-	-	23
Sep-17	III B.P.Th Abad	8	100.0%	-	-	8
December -17	I BPT(New Batch) A'bad 2014- 2015	2	100.0%	-	-	2
December -17	I BPT(New Batch) NM	35	100.0%	-	-	35
December -17	I BPT(New Batch) A'bad	43	100.0%	-	-	43
December -17	II BPT NM	26	100.0%	-	-	26
December -17	II BPT A'bad	41	100.0%	-	-	41
December -17	III BPT NM	22	100.0%	-	-	22
December -17	III BPT A'bad	16	100.0%	-	-	16
Jan - 18	I B.P.Th(Part-	3	100.0%	-	-	3

	II) NM					
Jan - 18	II B.P.Th Abad	6	100.0%	-	-	6
Jan - 18	I B.P.Th(Part- II) NM	3	100.0%	-	-	3
Jan - 18	II B.P.Th Abad	6	100.0%	-	-	6
March - 18	I B.P.Th(Part- II) NM	1	100.0%	-	-	1
March - 18	II B.P.Th Abad	6	100.0%	-	-	6
July 2017	I st B.Sc Nursing	49	100.00%	-	-	49
Jul-17	II nd B.Sc Nursing	49	100.00%	-	-	49
Jul-17	III rd B.Sc Nursing	47	95.60%	-	-	45
Jul-17	IV th B.Sc Nursing	38	100.00%	-	-	38
Sep-17	I st B.Sc Nursing	23	100.00%	-	-	23
Sep-17	II nd B.Sc Nursing	4	100.00%	-	-	4
Sep-17	III rd B.Sc Nursing	2	100.00%	-	-	2
Sept 2017	IV th B.Sc Nursing	4	100.00%	-	-	4
Jul-17	I st Post Basic B.Sc Nursing	14	85.70%	-	-	12
Jul-17	II nd Post Basic B.Sc	3	100.00%	-	-	3

	Nursing					
Sep-17	I st Post Basic B.Sc Nursing	0	0.00%	-	-	0
Sep-17	IIInd Post Basic B.Sc Nursing	3	100.00%	-	-	3
Jul-17	Ist M.Sc Nursing	3	33.30%	-	-	1
Jul-17	IIInd M.Sc Nursing	4	75.00%	-	-	3

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- 1) Annual Self Appraisal System for Teaching Faculty.
- 2) Regular Feedback from student regarding - Teaching, Teachers and syllabus/ Curriculum
- 3) Regular meetings with the stake holders.
- 4) Regular analysis and corrective measures.
- 5) Regular Meeting with parents.
- 6) Regular Meeting of students with their respective mentors
- 7) Topic wise question bank was displayed for students.
- 8) Preparation and monitoring of Learning outcome-based curriculum framework.
- 9) Revision of Curriculum in regular intervals

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses (Induction Training for new teachers)	6
UGC – Faculty Improvement Programme	3
HRD programmes (Annual refresher training for all teachers)	516
Orientation programmes	33
Faculty exchange programme	23
Staff training conducted by the university	49
Staff training conducted by other institutions	10

Summer / Winter schools, Workshops, etc.	29
Training of Swayam for teachers	205
Others (leadership / management training for educational administrators)	173

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	<b>408</b>	<b>16</b>	<b>21</b>	<b>9</b>
Technical Staff	<b>727</b>	<b>32</b>	<b>25</b>	<b>13</b>

### Criterion – III

#### 3. Research, Consultancy and Extension

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

Sr. No.	Initiative taken
1	Journal club activities
2	Well structured research and consultation policy
3	Incentives for quality publications in peer-reviewed journal, with good impact factor. A publication fee is provided by the institution. Grants are provided for paper presentation in conferences. 50% research grant for investigation charges of research or thesis topic
4	Plagiarism Check Policy
5	Research methodology workshop
6	Inclusion of Bioethics into UG & PG curriculum
7	Promotion of undergraduate research by way of ICMR-STs projects
8.	Promoting quality research by faculty and creation of new knowledge

##### 3.2. Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	37	1	4
Outlay in Rs.	0	60649834	200000	

##### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	161	495	2	11
Outlay in Rs.	30000	4161552	2675000	MGMHS

##### 3.4. Details on research publications

	International	National	Others
Peer Review Journals	223	86	1
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings		6	-

##### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2014-2017	ICMR	16,7000.00	11,36,008.00
	2015-2017	DBT	30,33,050.00	19,20,800.00
	2014	BRNS	2411500	
	2018	BRNS	2,402,800.00	
	2016-2018	DST	22,000,00.00,	7,37,000.00
	2017-2019	ICMR	1,09,00641.00	50,86,880.00
	2018.- 2019	Grant Challenges' Canada	51,24,340.00	(Sanction letter)
	2018-2019	Jt. Director of Health Service (TB & Leprosy)	2000, 00.00	(Sanction letter ) 23.05.2018
	2018	World Health Organization	4,460,000.00	
Minor Projects	-		-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	2017-2018	Wockhardt Ltd	11,49,000.00	4,50,000.00
	2018-2020	Eli Lilly and Company (India) Pvt. Ltd., Gurugaon, Haryana.	24,25,868.00	-
	2018-2019	Eli Lilly and Company (India) Pvt. Ltd., Gurugaon, Haryana.	15,78,250.00	-
	2017-2018	Bioquest Solutions PVT Ltd, Karnataka		108000
	2017-2018	Clean search	1000,00	1000, 00
	2016-17	Karmiklifesciences	112000	
	2016-17	Lambda Therapeutic Research Limited	327866	
	2016-17	Veeda Clinical	95760	

		Research Pvt. Ltd,		
	2016-17	Karmiklifesciences	127928	
	2016-17	Sun Pharma Advanced Research Company Ltd (SPARC)	49800	
	2016-17	JSS Clinical Research Limited	28040	
	2016-17	PPD Pharmaceutical Development India Pvt Ltd	1920000	
	2016-17	LUPIN	114600	
	2016-17	Clantha Research Limited		
	2016-17	Macleods	143750	
	2016-17	Macleods	240000	
	2016-17	Macleods	240000	
	2016-17	Macleods	172500	
	2016-17	Macleods	240000	
	2017-18	Astrazeneca Pharma India Ltd		
	2017-18	Glenmark Pharmaceutical Ltd	2565000	
	2017-18	Astrazeneka Pharma India Ltd	211000	
Projects sponsored by the University/ College	2017-2018	MGMIHS	30,000	30,000
Students research projects ( <i>other than compulsory by the University</i> )	2018-2019	ICMR STS	20,000.00	-
Any other(Specify)		-	-	-
Total				

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
 DPE  DBT Scheme/funds

3.9 For colleges

Autonomy  CPE  DBT Star Scheme   
 INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	04	02		Workshop -15
Sponsoring agencies	ICMR, MCI, UNICEF and MGMIHS	MGMIHS	MGMIHS		MGMIHS

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations  International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency  From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2 (Filled) + 1 (published)
	Granted	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

**3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the Year**

Total	International	National	State	University	Dist	College
10		8	2			

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

66

120

3.19 No. of Ph.D. awarded by faculty from the Institution

19

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events:

University level  State level

National level  International level

3.22 No. of students participated in NCC events:

University level  State level

National level  International level

3.23 No. of Awards won in NSS:

University level  State level

National level  International level

3.24 No. of Awards won in NCC:

University level  State level

National level  International level

3.25 No. of Extension activities organized

University forum  College forum

NCC  NSS  Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

1. Students have participated in “Swachh Bharat Summer internship Programme -2018”.

2. Role Play On Gender Equality

Criterion – IV

4. Infrastructure and Learning Resources (Two campus University: Navi Mumbai Campus and Aurangabad Campus)

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	72.6 acres	Nil	NA	72.6 acres
Class rooms	62	8	MGMIHS	70
Laboratories	66	2	MGMIHS	68
Seminar Halls	51	3	MGMIHS	54
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		nil		
Value of the equipment purchased during the year (Rs. in Lakhs)	65,765,516.90	85815293	MGMIHS	15,1,580,809.90
Others				

4.2 Computerization of administration and library

We are in the process of fully computerization of Library and Information services activities of Campus Libraries using KOHA: Open Source Integrated Library Management

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	2334	6340168.00	509	801035.00	2843	7141203.00
Reference Books	345	1437518.00	31	47138.00	376	1484656.00
e-Books	522	-	123	-	645	-
Journals	659 (Titles)	23527951.00	174(Titles)	5843103.00	833 (Titles)	29371054.00
e-Journals						
Digital Database	26	-	2	-	28	-
CD & Video	248	-	34	-	282	-
Others (specify)	73	146000.00	123	246000.00	196	392000.00

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	347	33	14 BPS NKN	75	17	68	110	38
Added	73	22	-	10	1	16	13	17
Total	420	55	14 BPS NKN	85	18	84	123	55

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Hospital management system – Faculty, Students & Nursing staff.
- LIBMAN / BBMS / PACS for teaching staff & resident
- 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.
- All departments are connected through LAN, WAN and most of with Wi-Fi.
- Full fledged computer department is provided for training and maintenance of ICT facilities. There are about 410 terminals with good number of laptops and servers are provided.
- Laser delivery module as learning material, educational CDs and DVDs are made available.
- Towards paper less working, online notice, feedback, all documents stored as electronic data.
- New software purchased for central pathology laboratory services
- Member of national digital laboratory 927 students have registered with NDL
- Institute has joined national academic depository and uploaded 800 degree / diploma/certificate on NAD. 9 constituent colleges are registered on NAD.
- All campus processes like admissions, academic calendar, attendance, assessments, result declaration, administration, pay roll, financial and such other processes are computerized.

4.6 Amount spent on maintenance in lakhs :

i) ICT	2440646
ii) Campus Infrastructure and facilities	46999694
iii) Equipments	30353001
iv) Others	10944722
Total :	<b>90738066</b>

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Giving Information regarding different committees eg Anti ragging committee, student council etc.
- Faculties are involved in Anti ragging committee, Committee for prevention for Sexual harassment and violence against women.
- Counseling of students under mentorship
- Faculties are involved in guiding students for ICMR-STS projects.
- Mentorship program
- Regular Parent-teacher meeting
- Remedial classes for slow learners and late admissions
- Remedial Teaching in vernacular language whenever possible.
- Approach to newer methods of teaching
- Foundation day, sports, cultural activity
- Subsidized good food from mess
- Students Grievance Redressal mechanism.
- Gender sensitization programmes
- Medical Health check up programmes.

5.2 Efforts made by the institution for tracking the progression

- Regular meetings with students
- Mentorship system for MBBS students
- Redressal system for students
- Evaluation of students through internal examinations and attendance
- Daily evaluation and counseling for PG students
- Journal Club, Group Discussion
- Clinical Case Presentation
- Daily evaluation and counseling for PG students
- Career orientation sessions.
- Mock test - theory/ practice test for day to day assessment
- Tracking of the students progression after course completion

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2933	577	10	0

(b) No. of students outside the state

226

(c) No. of international students

1

No	%	Men	No	%	Women
428	38.7		678	61.3	

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	S C	ST	OB C	Physically Challenged	Total
707	31	15	113	0	866	797	49	2	139	0	987

Demand ratio 1:10      Dropout % < 1 %

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Workshop on UPSC & MPSC exams have arranged.
- Group discussions among aspirant students
- Guidance facility available for students approaching to student's welfare cell
- Guest lecturers held in campus for the aspirant students.
- Coaching content is available in campus for civil service.
- Group discussion among students regarding NEET and civil service.
- Guest lecture is organized for guidance of GRE & USMLE Examination.

No. of students beneficiaries

427

#### 5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
 IAS/IPS etc  State PSC  UPSC  Other

## 5.6 Details of student counselling and career guidance

- Faculty members are provided as batch teachers who maintain the student's progress and attendance. The low academic profile students are counseled by the batch teachers as well as senior faculty including head of the department.
- Student counseling is being done by mentors, as & when required
- MCQ test, Assignments, Monthly practice test conducted.
- Provides career guidance to students & interns.
- Periodic counselling is given to the weaker students and for any untoward events, any adjustment problem, Mentor system, Mentorship system etc
- Mentoring system is in place. Student counselling is being done by mentors on regular basis.
- Immigration process & career opportunities in Canada for Students.
  - Promote students for effective job placement
  - Improving and encouraging decision making skills
  - increasing self-esteem and motivation
  - Career guidance to M.Sc. students
  - Getting training opportunities in different equipments
  - The Department of Bio-Sciences has been collaborating with different institutions at national and international level e.g. BITS, Pillani Goa, BARC, IIT Delhi, NIRRH, ACTREC and Haffkine Institute, lower Parel.

No. of students benefitted

1457

## 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
NIL	NIL	NIL	100%

## 5.8 Details of gender sensitization programmes

- Dr. Shilpi Sahu is Nodal Officer of Gender Champion
- Role play on gender equity.
- Women's day celebration.
- Lecture on gender sensitization
- The Institute has formed the Gender Sensitization Committee at Institute level. Admissions open for both genders
- As per the University norms, the gender champions for both boys and girls were being elected respectively.
- Nodal officer is appointed for election of Gender champions. Additionally scrutiny committee is equality related topics; under his/her supervision talks, skit, group discussions would be arranged.
- Students were sensitized regarding 'Guidelines for gender Champions in educational institutions' following which three students from 2<sup>nd</sup>,3<sup>rd</sup> and 4<sup>th</sup> year volunteered themselves to be gender champions of the institution to conduct all the roles and responsibilities as per UGC guidelines.
- . On the occasion of world women's day 8<sup>th</sup> march 2017, lectures, programs arranged by "Sakshma" group.
- Introduction of their work through video clips, Posters, published in various newspapers

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

### No. of students participated in cultural events

State/ University level  National level  International level

### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	368	11866000
Financial support from government	50	250000
Financial support from other sources	18	860000
Number of students who received International/ National recognitions	NIL	NIL

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

**VISION**

MGM Institute of Health Sciences aims to be a top ranking centre of Excellence in Health Science Education, Health Care and Health Research.

**MISSION**

Students graduating from the Institute will have the required skills to deliver the quality health care to all the sections of the society with compassion and benevolence, without prejudice or discrimination at an affordable cost.

As a Research Centre, it shall focus on finding better, safer and affordable ways of diagnosing, treating and preventing diseases. In doing so, it will maintain highest ethical standard.

.....

***‘To wipe every tear from every eye.’***

***Mahatma Gandhi***

## 6.2 Does the Institution has a management Information System

- The MGMIHS is comprised of academic and administrative Institutions having teaching, research and patient care integrated for comprehensive outcome. The institutions are adopting the latest facilities of Information Technology modalities to cater to all stakeholders. The up gradation in Management information system (MIS) process in the campus is one of the most important activities. Teaching and non-teaching employees are getting training for Academic software for maintaining teaching and research records and Apex Software for hospital management for storage of patients (OPD & IPD) database. 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 dedicated LIB SYS software for Library management.
- Tally Software is used for the account section.
- Libman & KOHA library management software is in place.
- Apex Software for hospital management (HIS) for storage of patients (OPD & IPD) database, few modules have implemented and remaining is in process of implementation.

## 6.3 Quality improvement strategies adopted by the institution for each of the following:

### 6.3.1 Curriculum Development

Quarterly BOS, Faculty of Medicine and Academic Council meetings are conducted, where respective faculties from all the institutions and departments participated and gave their inputs. As a result following changes are incorporated in the different courses in the university:

- Incorporated Environmental Studies course in B.Sc. Nursing Curriculum
- Feedback from students, staff and other stakeholders
- Feedback and its analysis

Modules have been designed for Sports MPT. Additionally areas for clinical exposure in Sports are been identified.

### 6.3.2 Teaching and Learning

The MGMIHS fosters the culture of participative management from all its stakeholders through Feedback. The feedback from students, staff and other stakeholders are taken periodically. The feedbacks are put up to all respective Boards of studies, Faculty of Medicine and Academic Council. MGM IQAC has incorporated following changes in the Teaching learning processes in the institute:

- Integrated Teaching
- Seminars By Students
- Seminars, tutorials & practice tests are being conducted by the department. Regular revision for theory and practical's are being conducted.

Use of simulation techniques for Animal Experiments.

- Problem based learning.
- Teaching by using advanced skill laboratory for better understanding.

### 6.3.3 Examination and Evaluation

The examination and Evaluation system at each institute of MGMIHS is ensuring the transparent system.

- Special attention has been given for poor learners.
  - The Remedial classes for failures are conducted periodically.
  - Must know areas of the syllabus are regularly re-emphasized.
  - The university examination department takes feedbacks from internal as well as external examiners and gets analyzed for improvement in assessment system.
  - The Feedbacks are also taken from students, staff and other stakeholders.
  - The regular internal and university exam conducted and also the photocopies were given to students on their request in special cases.
  - Mock Exams and system wise formative assessment is being undertaken.
- The OSCE and OSPE systems are followed.
- Feedback from examiner and its analysis.
  - Automation in examination section.

### 6.3.4 Research and Development

- **Biochemistry** - Students encouraged for research projects & presentations in conferences, • Promoting Research among faculties, Postgraduates and students. There are 4 ongoing research projects in the Department,
- **Community Medicine** - • Periodic review of the research projects is carried out
- **Microbiology** - Guidance, infrastructure and material provided to PG students to take up small research projects and presenting their work at various state or national conferences
- **OBGY** - Promoting research among faculty, postgraduates and undergraduates, sensitizing faculty & students through journal club, periodic review of research projects is done.
- **Pharmacology** - Besides routine dissertation work students are encouraged to take up minor projects in clinical Pharmacology, Experimental Pharmacology, Medical Education & Pharmacovigilance. 2. Students are being encouraged to apply for various funding agencies for funds necessary to carry out their research projects. 3. Regular meeting is being conducted to sensitize or promote research activities. Journal clubs
- **Surgery** - Journal Club , Research Methodology Workshop
- **Research and Development** - Well established of Research Cell. Establishment Clinical Research Department for Industries sponsored clinical trials. Regular meetings of Institutional ethical committee and research recognition committee.
- -Research on green process
- -Technology development
- -Fundamental research
- -Non-invasive techniques
- -Agri-resources in product development
- -Zebra fish model development for osteoporosis
- -Hydroponic lab
- Journal club activities were conducted for improving research in department

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- Complete digitalization of the central library
- Annual up-dation of Library Book Bank and National & International Journal subscription.
- Free wi-fi facility in Entire campus.
- Central air conditioner facility in library.
- Windows operating systems upgraded to “Windows 10”.
- Network Update - OFC 7 Point Updated Total 18 Point.
- Well versed PG library.
- Access to new books, journals for faculties & postgraduate students
- Departmental library & central library
- Access to new books and journals for faculty and postgraduates
- periodic review of books in library
- Departmental library & central library

### 6.3.6 Human Resource Management

- Regular Training are conducted for of all Non teaching, technical & paramedical staff .
- Induction programme for resident doctors and new appointments.
- Digitalization of HR department
- Regular Training of all Non teaching Staff through HR Department
- 

### 6.3.7 Faculty and Staff recruitment

- Complete transparency in faculty and staff recruitment as per rules and regulation of MGMIHS.
- Advertisement in news papers with application, interview and verification of documents and selection.

### 6.3.8 Industry Interaction / Collaboration

- Collaboration with various Pharmaceuticals Company and CRO for Clinical Trial Projects.
- Complete health check facility is provided to various industries of Aurangabad (MOU are done with industries).
- Continuation of collaboration with BETiC, IIT Bombay ,IIT Madras, World Spine Care, Global Spine Care Initiative and ACTOFIT
- Regular feedback system from the industry
- Adoption of five villages at Navi Mumbai and five villages at Aurangabad Campus for exchange of knowledge and for the overall social / economic betterment of the village communities under Unnat Bharat Abhiyan.

### 6.3.9 Admission of Students

- All admissions of both undergraduate as well Post graduate courses are done through NEET examinations and central counselling conducted by Directorate general of health services (DGHS).
- Ph.D admissions done through MGM CET examination as per rules and regulations
- Complete transparency in admission of UG & PG courses as per rules and regulation of MGMIHS with UG & PG entrance test merit (NEET)

### 6.4 Welfare schemes for faculty:

A) Teaching – Available

B) Non-teaching staff - Available

C) Students - Available

### 6.5 Total corpus fund generated:

<b>Total</b>	1,888,200.00
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6.6 Whether annual financial audit has been done: Yes  No

### 6.7 Whether Academic and Administrative Audit (AAA) has been done?

Institute		External		Internal	
		yes/No	Agency	yes/No	Agency
MGMIHS	Academic	yes	BAMU & MGM Medical College, Mumbai	yes	Dean
	Administrative	Yes	MGMIHS	yes	Dy. Dean

### 6.8 Whether results declared within 30 days?

	Yes	No
For UG Programmes	<input checked="" type="checkbox"/>	
For PG Programmes	<input checked="" type="checkbox"/>	

#### 6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Open book tests were conducted for Undergraduate students.  
(Formative)  
Problem Based Learning  
OSCE and OSPE  
Validation of question banks

#### 6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- Constituent college are autonomous for financial and administrative matters.
- MGM IHS follows the concept of decentralisation.
- Matters pertaining to academic, research and clinical activities are discussed in the Board of studies .Resolutions of the same are forwarded to Faculty of Medicine and then to Academic Council and ultimately to Board of Management. Resolutions made by BOM are informed to MGM SOP through Registrar for implementation.

#### 6.11 Activities and support from the Alumni Association

- Carrier guidance lectures to undergraduate students.
- Actively Participated in Health camps.
- Blood Donation Camp.
- In the process of forming Alumni Association
- 

#### 6.12 Activities and support from the Parent – Teacher Association

- Regular parent teacher meetings are organized
- Feedbacks from parents collected, analysed and corrective measures taken.
- Parent’s involvement is encouraged in social and community activities of medical college & hospital

#### 6.13 Development programmes for support staff

- All teaching and non-teaching staff are extended welfare benefits or contributory provident fund, gratuity and other insurance scheme as may be applicable in accordance with law.
- The teaching and non-teaching staffs are given health care

#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

- Tree plantation is done on various occasions
- LED tube lights are installed in Entire campus.
- Sewage treatment plant, effluent treatment plant is in place, and recycled water used to maintained greenery in the campus as well as for toilet flush system.
- Solar water heaters are installed.

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Implementation of antibiotic policy 2017 with restricted use of Reserved Antibiotics. Training of staff nurse for infection control
- Establishment of District centre for MDR Tuberculosis at MGM Hospital, Kamothe, Navi Mumbai
- Use of apex software for paper less functioning ( Pathology investigations including e reporting and use of PACS system for radiology investigations and reporting.
- Integrated Teaching practices have been emphasised upon and are now followed in all Departments. Vertical and horizontal integrated teaching results in a more comprehensive overall appreciation of the subject.
- Problem Based and Case Based Learning facilitate intellectual curiosity and initiative with better topic understanding on the part of students
- Integrated practices of working in common laboratories such as Central Research Laboratory, Skills Lab and the Innovation and Incubation centre ensure effective utilization of valuable resources and technology in a campus where there are constraints of space
- Total 213 number of students participated in innovative competition /Hackathons from your Institutions.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Establishment of the innovation and incubation centre to promote research and collaboration
- Accreditation from American Heart Association for the skill lab at Navi Mumbai
- Solar power generation and utilization at Navi Mumbai campus strengthened
- Implementation of innovative teaching and learning methods in curriculum

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

<b>Title of the Practice</b>	Promoting value-based education to inculcate professionalism and social commitment
<b>Objectives of the Practice:</b>	<ul style="list-style-type: none"> <li>• To groom health care professionals to become socially responsible citizens from the entry years of health education.</li> <li>• To arouse social consciousness and professionalism among students and to enable them to apply educational principles to concrete social issues</li> <li>• To provide holistic education.</li> </ul>
<b>The Context :</b>	<p>Modern day health care professionals are routinely exposed to high levels of stress in their work environment. In addition, incidences of agitation and violence by patients and their relatives in health sector workplaces are being increasingly reported across the country.</p> <p>A viable and realistic solution to this problem is to focus on identifying and eliminating the root causes rather than on treating the consequences. This approach includes inculcating professionalism, empathy and a humane touch in the manner in which health care professionals approach and interact with patients and their families, particularly in acute care settings.. In addition, they need to have a sound understanding of not only their individual patients’ needs but also the needs of the society to which they belong.</p> <p>Inculcation of such awareness in health care professionals is therefore paramount. To have a sustained and significant effect, such training must commence during their formative years of education.</p>

<p><b>The Practice:</b></p>	<p>Health care professionals are required to demonstrate sensitivity, respect, compassion and empathy to patients and their families, at all times. At MGMIHS, this is ensured by commencing training of students as soon as they enter medical college.</p> <ul style="list-style-type: none"> <li>• The subject of '<b>Bioethics</b>' has been introduced into the undergraduate and postgraduate curriculum.</li> <li>• At the commencement of the medical course, students take a '<b>Cadaveric Oath</b>' which inculcates professional principles, knowledge, conduct and altruistic behaviour.</li> <li>• Various departments of the university are involved in outreach and extension activities for providing <b>healthcare to local communities</b>. Students are routinely involved in such activities and are provided with valuable exposure to the health problems of the local community. In addition, sensitivity towards health problems of the underprivileged in India is inculcated in budding healthcare professionals at a young and impressionable age.</li> <li>• <b>Health education activities</b> are carried out by the institute for vulnerable sections of local community, in which students  are actively involved such as: <ul style="list-style-type: none"> <li>○ educating mothers about antenatal, natal and neonatal home based care, through self help groups in rural and urban slums.</li> <li>○ Education on prevention of infectious and non-infectious diseases</li> </ul> </li> <li>• School health checkup camps are conducted along with health education of school children.</li> <li>• Health status and treatment of family members in adopted</li> </ul>
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	<p>villages by family folder scheme is tracked by graduate students.</p> <ul style="list-style-type: none"> <li>• MGM Aurangabad has a well-equipped media lab which hosts Community Radio (Healthy Wealthy), Arogyam (a health related program) and Great Bhetprograms (interviews with great personalities in all fields). Many slogans have been developed for public awareness on important issues like helping accident victim, eye donation, blood donation, swacchbharat and humanity via Radio MGM 90.8.</li> </ul>
<p><b>Evidence of success:</b></p> <ul style="list-style-type: none"> <li>• Peaceful working environment of the hospital and medical college</li> <li>• Volunteering by students to participate in blood donation programs</li> <li>• Increased involvement and participation of students in Swach Bharat Abhyan</li> <li>• Positive feedback of students related to participation in multi-diagnostic camps, health education programs and School health programs</li> <li>• UNESCO Bioethics Chair established in the university.</li> <li>• Healthcare Professional Course has been started by the University.</li> <li>• Students of various disciplines participate in essay writing competitions related to the theme of Bio-ethics</li> </ul>	
<p><b>Problems Encountered and Resources:</b></p>	<ul style="list-style-type: none"> <li>• The Institute has to utilise its available motor vehicles to transport staff and equipment to conduct healthcare and educational activities in the concerned communities in the interior rural areas.</li> <li>• Patients in rural areas often face difficulties in understanding and following correct guidelines given by specialist healthcare professionals for either prevention or cure of disease conditions. This is tackled by health education by both healthcare professionals and the accompanying staff.</li> <li>• As the Institute has a diverse student community from all parts of India, local language is sometimes a barrier for communication. This handicap is overcome by language laboratory which is in place in both constituent colleges of the University.</li> </ul>

<b>Title of the Practice</b>	Competency-based skill development among health care professionals and community
<b>Objectives of the Practice:</b>	<ul style="list-style-type: none"> <li>• To create awareness in the community regarding lifesaving procedures</li> <li>• To help laypersons in the community to acquire the necessary practical life-saving skills</li> <li>• To provide hands-on training to health care professionals for management of common medical emergencies</li> <li>• To provide health care professionals with a safe, controlled and supervised learning environment for practising medical procedures</li> </ul>
<b>The Context :</b>	<ul style="list-style-type: none"> <li>• The Skills Laboratory of the Institute provides a controlled, supervised environment for health care professionals and sections of the community for repeated practice of various life saving clinical skills, thereby promoting patient survival and safety. In this context, the Institute trains undergraduates, postgraduate residents and faculty every year in Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) at the Skills Lab in both constituent colleges</li> <li>• In addition, laypersons from the community are given health education and training to become competent in basic first aid and lifesaving skills, so that they are able to deal with common emergencies and life-threatening medical situations. The Institute thus makes a significant contribution to promoting wellbeing, better health and social responsibility in the local community.</li> </ul>
<b>The Practice:</b>	<ol style="list-style-type: none"> <li>1. Hands on training</li> <li>2. Practice While Watching videos from American Heart Association</li> </ol> <p><b>I. <u>Life Support Training</u></b></p> <ul style="list-style-type: none"> <li>• Basic Life Support (BLS)</li> </ul>

- Advanced Advanced Cardiac Life Support (ACLS)

## **II. Skill training**

The following skill training is imparted

### **▪ Basic clinical skills**

recording blood pressure, veni-puncture, collecting Arterial Blood Gas sample, urinary catheter and gastric tube insertions

### **▪ Advanced clinical skills**

Intubation, Cricothyrotomy, Intercostal Drain insertion, Central Vein Cannulation

### **▪ Basic Surgical skills**

Surgical Handwash, Scrubbing, Gowning, Surgical Draping, Suturing techniques, Surgical Etiquettes etc

## **III. Courses offered**

- Basic Life Support (BLS) Provider Course
- Basic Life Support (BLS) Instructor Course
- Advanced Cardiac Life Support (ACLS) Provider Course
- Advanced Cardiac Life Support (ACLS) Instructor Course

## **IV. Course material (prepared by MGM faculty)**

- Information brochure of various courses
- Registration forms
- BLS Booklet
- ACLS Booklet
- Theory questionnaire
- Practical check list for exam
- Certificate of BLS & ACLS
- Identity card after course completion

## **V. Audio-visual aids**

1. A video film has been prepared for creating awareness about functioning of skill lab.
2. Practice videos of BLS & ACLS

<b>Evidence :</b>	<p><b><u>Beneficiaries of Training imparted by Skills Lab</u></b></p> <p><b>Health care professions</b></p> <ul style="list-style-type: none"> <li>• Medical</li> <li>• Dental</li> <li>• Physiotherapy</li> <li>• Nursing</li> <li>• Biomedical Health Sciences</li> <li>• Technical staff</li> </ul> <p><b>Local community</b></p> <ul style="list-style-type: none"> <li>• Senior citizens</li> <li>• Police personnel</li> <li>• School teachers</li> <li>• Non-teaching staff of school</li> <li>• Ambulance drivers</li> <li>• Paramedics</li> </ul> <ul style="list-style-type: none"> <li>• <b><u>American Heart Association (AHA) Accreditation</u></b></li> </ul> <p>SkillsLab at Navi Mumbai is accredited by the American Heart Association (AHA) and offers AHA Accredited BLS ACLS Course</p> <ul style="list-style-type: none"> <li>• AHA based MCQ Examination</li> <li>• BLS and ACLS Skills Evaluation</li> <li>• Positive feedback from beneficiaries</li> <li>• Personal success stories</li> <li>• Use of Skills Lab facilities by various Departments</li> <li>• Research activities connected with Skills Lab</li> </ul>
<b>Problems Encountered and Resources:</b>	<ul style="list-style-type: none"> <li>• Initial reluctance and inertia among faculty, nonteaching staff and others for Skills Lab and CPR training.</li> <li>• Cost effectiveness of manikins maintained in the Skills Lab.</li> <li>• Planning is required to incorporate skills training into the rigid academic schedule of all PG residents and undergraduates</li> </ul> <p>After these initial difficulties, the process has been streamlined and is now functioning smoothly.</p>

#### 7.4 Contribution to environmental awareness / protection

- Solar power has been introduced for both lighting and heating and the facility is being enhanced.
- Plastic free campus policy is being followed.
- Swachh Bharat initiatives and cleanliness drives are regularly undertaken. The Swachhata Pakhawada Activity has been done on date September 1st to 11th September 2017.
- Tree plantation drives involving students are carried out.
- Rain water harvesting is being followed.
- Replacement of conventional light bulbs and CFLs with LED bulbs is in progress.
- No vehicle day celebrated and encouraged time to time
- At MGMIHS, water harvesting system is utilized for 17.5Ha providing perfect ecological balance & oxygen-pool to surrounding area. This system is honored appreciation of the Trust from his Highness President of India. Rainwater harvesting provides 1.5lacLtr of the total-water requirement of 5.5lacLtr/day. MOU signed with M/S Water Grace Products, Nashik for solid waste disposal. STP of capacity (400 cubic mts daily) is available for liquid waste management. e-waste is disposed off by 'EcoRecycling Ltd' company.

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- MGM centre of Human Movement Science and Physical fitness lab will open up new avenues for training graduates and post graduates in the areas of Research and clinical practice .
- National collaboration with IIT Bombay and International collaboration with International Society of Biomechanics, World Spine Care and University of Sydney has strengthened research, academic and clinical activities in areas of movement.
- MGM Medical College and Hospital is the only **designated DOTS Plus Centre** catering to multi drug resistant tuberculosis patients in Raigad district (upgraded to DOTS-Plus Centre in Dec 2017).

## 8. Plans of institution for next year

- To strengthen the functioning of the Innovation and Incubation Centre, Navi Mumbai
- To establish the Innovation and Incubation Centre at Aurangabad campus
- To hold more frequent Intellectual property Right (IPR) workshops
- Establishment of the patent cell in the university
- To engage health care students more in community outreach activities so as to enhance their sense of social responsibility and commitment
- To incorporate software for anti-plagiarism for research publications
- To decrease the carbon footprint of the institution by enhancing solar power facilities
- Our institute has a 3 year action plan, 7 year strategic plan and 15 year vision
- **3-year action plan** - Academics-Fellowship program-Endoscopy,Critical Care, Interventional Radiology; Infrastructure-State of art Trauma Centre; Research-Encourage UG students for ICMR-STC scheme, Motivate faculty & procure external funding, Theme-wound healing, Minimal Invasive surgery, Musculoskeletal Imaging, Innovations in Pedagogy;Collaboration-Community Survey non-communicable diseases,collaboration with national professional bodies like ASI, API, IAP, Satellite OPD in remote villages with help of Govt. & NGOs
- **7-year strategic plan** - Academics-Fellowship in hyperbasic Medicine, Robotic surgery, Cosmetology, Faculty & student exchange with foreign universities, PG diploma in forensic & Psychiatric Nursing, B.Sc- Biotech, Molecular biology, Genetics, CBCS for MBBS; Infrastructure- Centre of excellence- joint replacement & spine, wound laboratory; Research- Themes- National EMG Interest group, Virtual reality unit (Physiotherapy); Collaboration-American College of sports Medicine for exercise testing and training courses.
- **15-year vision** - Academics-Nodal center for surgical education, fellowship in fetal medicine, dual degree programme in Nursing & Biomedical Engineering; Infrastructure-Hip & knee centre with navigation and robotic facilities; Research- Stem Cell Research.

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Name Dr Siddharth P. Dubhashi

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Name Dr. Shashank D. Dalvi

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*Signature of the Coordinator, IQAC*

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*Signature of the Chairperson, IQAC*

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