



# MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

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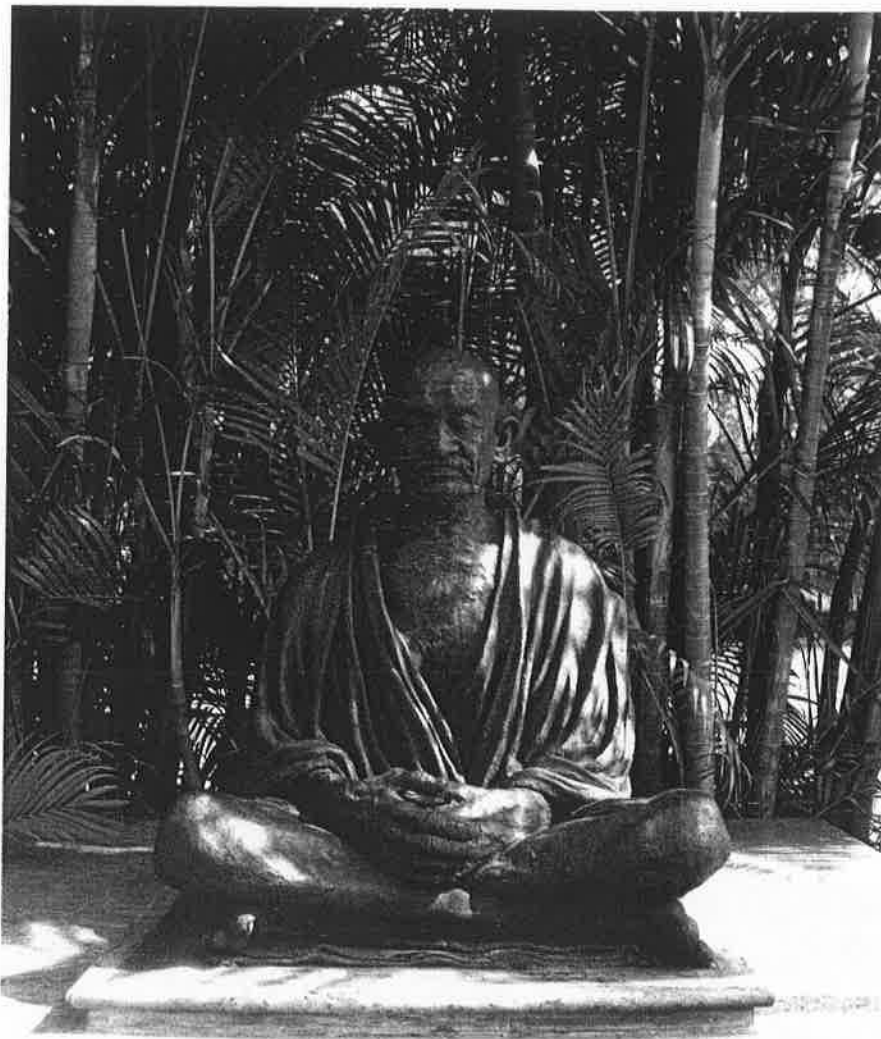
*Curriculum for*

*Diploma in Anesthesiology*

## **Amended History**

1. Approved as per BOM– 04/2007, Item 12.1, Dated 14/12/2007.
2. Amended as per BOM- 48/2018, [Resolution No. 5.25], Dated 24/01/2017.
3. Amended as per BOM-51/2017, [Resolution No. 1.3.23] , [Resolution No. 1.3.7.11(i)]; Dated 28/08/2017
4. Amended as per BOM-55/2018, [Resolution No. 4.13], [Resolution No. 4.5.4.2], Dated 27/11/2018.

# INSPIRING MINDS



## Mission

To improve quality of the life for individuals and community by promoting health, preventing and curing disease, advancing biomedical and clinical research and educating tomorrow's Physicians and Scientists.

## Vision

By 2020 the MGM University of Health Sciences will rank one of the top private Medical Institution. This will be achieved through ground breaking **discoveries in basic sciences and clinical research** targeted to prevent and relieve human suffering, **excellence in Medical Education** of the next generation of academic clinicians and intrinsic scientists.

MGM University of Health Sciences will transform the **Education of tomorrow's Physicians and Scientists** conducting **Medical Research** to advance health and improving lives by providing world-class patient care.

Many see the 21<sup>st</sup> Century as the golden age of biomedical research. The MGM University of Health Sciences will position for leadership at the horizon of this new era to promote and stabilise stand human health with a standard of excellence.

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## Chancellor's Message



It is my pleasure to welcome you to join constituent colleges of Mahatma Gandhi Misson's (MGM) University of Health Sciences, Navi Mumbai. I wish to avail this opportunity to apprise you and your parents about the academic excellence of the deemed university.

The MGM University of Health Sciences was established u/s 3 of UGC Act, 1956 vide HRD Notification No.F.9-21/2005-U.3(A) dated 30-8-2006. The MGM University is an outcome of untiring efforts of our educationists, professionals, social activists, technocrat, students and parents. The Mahatma Gandhi Mission Trust that manages the University of Health Sciences and over 40 institutions in Navi Mumbai, Aurangabad, Nanded, and Noida has the vision to empower the masses with the availability of state-of-the-art education. Most of our institutions have ISO certifications that further endorse our commitment to stringent quality standards. I am proud to state that we have succeeded in these accomplishments during our journey of the past 25 years.

I recollect the memories of struggle and determination when the MGM Trust established its two medical colleges, one each at Navi Mumbai and Aurangabad some twenty years ago. Both the medical colleges have grown into institutions imparting both undergraduate and postgraduate courses, and delivering quality health care to communities in their respective areas. While both colleges are engaged in their primary functions of teaching, Patient care and research, they have

also excelled in their pursuit for advancement of science and in taking health services to communities through extension programmes. A shining example is the establishment of the Department of Infectious Diseases in 1993 in collaboration with the University of Texas-Houston, USA. This department has established the state-of-the-art clinical services and laboratories for research and care of infectious diseases and received the acclaim of Director General of ICMR when he stated "MGM is the first medical college in India to establish a separate department of infectious diseases. This is the need of the hour." The department has undertaken path-breaking research and shaped the course of our national control programmes on HIV/AIDS and tuberculosis. The original research of the constituent colleges has been acclaimed among the scientific world globally.

In an era of economic liberalization and the competition among varsities, both in and out of India, the task of grooming professionals who will compete with the best in the world, is tough. To aid our efforts to excel, MGM University of Health Sciences has the latest research facilities, a dedicated research faculty, as well as an array of distinguished visiting faculty members. The quiet ambience of our campuses, the well filled library with subscriptions to international and national journals, and the lush-green gardens add to our accomplishments.

Considering the manpower needs of

educational, industrial agricultural, and health sector to maintain their steady growth, several fresh M.Sc. courses have been launched. M.Sc. courses introduced at the University from the current academic year shall provide knowledge, skills and subsequent employability that are at par with the counterparts in India and abroad. The curricula of the courses have been designed by experts and peer-reviewed with an emphasis on the job requirements of educational institutions, industries, health care, and research institutions. These courses will empower the students to choose a career in a classroom, a research laboratory or an industry. I am happy that the university is ticking towards the pinnacle with the introduction of these value-added postgraduate courses in medical biotechnology, medical genetics and other basic sciences.

Finally, I wish to place on record my gratitude to the founder members, stake-holders, faculty, staff, students and their parents for providing the MGM Trust with your advice and support.

Once again, it is my pleasure to welcome you to join constituent colleges of MGM University of Health Sciences' at Navi Mumbai and Aurangabad.

**Kamal Kishore Kadam**  
Chancellor



**Dr R.D.Bapat**  
**Vice Chancellor**



**Dr S.N.Kadam**  
**Pro Vice Chancellor**



**Dr N.N.Kadam**  
**Director (Examination)**



**Dr Ajit shroff**  
**Dean (Aurangabad Campus)**



**Dr Z.G. Badade**  
**Registrar**



**Dr G.S.Narshetty**  
**Dean (Navi Mumbai Campus)**

## ASSESSMENT OF CANDIDATE.

1. **At the end of first year internal assessment** so as to allow the candidate to do minor surgical procedures under GAVRA for ASA grade I or II patients (excluding difficult airway cases and cases with expected major body fluid shift) independently in second year.

### **A. Theory**

- **Paper I** - Basic Sciences related to Anaesthesia (History, Anatomy, Physiology, Pharmacology, Pathology, Physics, Instrument & Equipments, etc)
- **Paper II** - Theory & Practice of Anaesthesia.

### **B. Practical**

- **Clinical cases** including 1 long case and 2 short cases
- **Viva Voce** on equipments, drugs, investigations, laboratory findings etc.

2. **At the end of II year: Final Assessment**

### **A. Theory**

- **Paper I** - Basic Sciences related to Anaesthesia (History, Anatomy, Physiology, Pharmacology, Pathology, Physics, Instrument & Equipments, etc)
- **Paper II** - Theory & Practice of Anaesthesia
- **Paper III** - Clinical sciences like Medicine & Surgery related to Anaesthesia.

### **B. Practical**

- **Clinical cases as per University Protocol**
- **Viva Voce** on equipments, drugs, investigations, laboratory findings etc.

**Procedures**

Internal Jugular Cannulation = 5 (to observe or do)  
External Jugular Cannulation = 5 to do  
Subclavian Vein Cannulation = 5 (to observe or do)  
Peripheral Central Line = 10 to do  
Arterial Line Cannulation = 7 to do  
Endotracheal Intubation = 150 to do  
LMA insertion = 20 to do  
Difficult Airway Management = 5 to do

**Conduct of Cases**

ASA I = 150 to do  
ASA II = 100 to do  
ASA III = 30 (to observe)  
ASA IV = 20 (to observe)  
Labour Analgesia = 5 (to observe or do)

## LOG BOOK MAINTENANCE

All the clinical and academic work done by the student in his/her tenure of three years, minimum Procedures/Cases required to be done and entered in the log book

### **Regional Block**

Spinal = 20 to do

Epidural = 20 to do

Combined Spinal Epidural = 15 to do

Caudal = 5 to do

Bier Block (IVRA) = 3 to do

Sciatic/Femoral = 3 + 3 (to observe or do)

Ankle Block = 3 (to observe or do)

Stellate Ganglion Block = 2 (to observe or do)

Brachial Plexus = 5 to observe & 10 to do

Sympathetic Block = 2 (to observe or do)

Trigger Point injection = 2 (observe)

Other peripheral N. Block = 2 to do

Ophthalmic Blocks = 2 (to observe)

Field Block = 2 (to observe or to do)

### **Anaesthesia for:**

General Surgery = 30 (to do)

Gynecology = 30 (to do)

Obstetrics = 15 (to do)

ENT = 15 (to do)

Orthopedics = 15 (to do)

Ophthalmology = 3 (to do)

Plastic Surgery = 3 (to do)

Endoscopy / Laparoscopy = 3 (to do)

Urology = 3 (to do)

Open Heart = 3 (to observe)

Closed Heart = 3 (to observe)

Pediatric Surgery = 3 (to observe)

Craniotomy = 3 (to observe)

Spinal Surgery = 3 (to observe)

Joint Replacement = 3 (to observe)

Anesthesia for organ transplant = 3 (to observe - desirable)

ECT = 10 (to do)

Radiology / CT Scan = 5 (to do) Anaesthesia/sedation



## ACADEMIC ACTIVITIES

Participation by way of attendance / presentation in Didactic lectures, Symposia, Seminars, Group discussions, Workshops, Morbidity & Mortality meet, Panel Discussion etc. Each Student should have actively participated in at least 6 academic sessions per year during the total training period of two years (total 12).

## II Year Residents:-

Assisting during minor & major procedures under anaesthesia, managing patients in recovery or intensive care areas and Independently conducting minor procedures under anaesthesia (GAVRA) for ASA grade I or II patients (excluding expected difficult airway cases and cases with expected major body fluid shift)

The second year of training will be devoted to the subspecialties/superspecialities of anesthesia at the hospitals affiliated to medical teaching institute and the university under the supervision of a faculty member with an aim to concentrate on mastering the knowledge and technical skills associated with providing anesthesia to subspecialty/superspeciality patients. Residents will be rotated in Pediatric anesthesia, Neuroanesthesia, Cardiovascular and Thoracic anesthesia, Ambulatory anesthesia, Obstetrics, Dental Surgery, Ophthalmology, Pain Clinic / Pain Management, Peripheral Theatres, Anaesthesia Outside Operating Rooms, Trauma care, Transplant Surgeries etc. They will be taught to give general anaesthesia and regional anesthesia (Extradural Block - EDB, Spinal Block, and Peripheral Nerve Blocks) to ASA grade I, II, III & IV patients under supervision for superspeciality theaters. They should be able to give GAVRA to other ASA grade I & II patients independently. Rotations in critical care areas e.g., Trauma Ward, Post Anesthesia Care Unit / ICU / Emergency Medical Service will also be part of the second year training curriculum. They should learn pediatric and trauma life support and maintain skills for basic and advanced cardiac life support. The student should be able to analyze and present scientific data.

## TRAINING PROGRAMME

### **I Year Residents:—**

Assisting during minor & major anaesthesia procedures and managing patients in recovery or intensive care areas (all Under Supervision)

The first month of the first year will be spent in orientation in the operating rooms and attending lectures

covering the basics of the discipline. After that the first year of training will be spent in learning the

fundamentals of anesthesiology with emphasis on checking of anaesthesia equipment including anaesthesia

machine, airway equipment and appropriate monitors, preparation of appropriate dosages of various drugs

required at specific point of time, mastering clinical skills regarding selection and implementation of an

appropriate anaesthesia plan, placement of lines, induction of anaesthesia, intubation, maintenance of

anaesthesia, and the successful reversal of anesthetic agents. Emphasis will also be placed on learning

regional anaesthesia and Cardiopulmonary resuscitation.

To start with the first year residents will observe and then slowly become independent in giving general

anaesthesia and Regional anaesthesia to patients belonging to ASA grade I & II for minor and major

surgery, under graded supervision. They will be posted in rotation to the following specialties during the

first year: Preoperative assessment area, General Surgery, Gynecology, Obstetrics, Orthopedic, ENT, and

Recovery Room. They will be assigned to cases in the Operating Room at the hospitals attached to medical

teaching institutes affiliated to the University under which they have registered and will gain experience

under the direction and supervision of respective academic faculty.

- **Computers:** Utility, computer assisted learning and data storage, Computerised anaesthesia records
- **Skills:** for planning of operation theater, pain clinic, recovery room, intensive care etc. including selection and purchase of equipments

### **18. Monitored Anaesthesia Care.**

- Indications for monitored anaesthesia care.
- Equipments used for monitoring.
- Concept of awake consciousness.

### **19. Emergency Anaesthesia**

#### **20. Labour Analgesia.**

- Physiology of labour.
- Nerve roots involved in different stages of labour.
- Drugs and adjuvants used for labour analgesia.

#### **21. Pain relief**

- Acute pain management.
- Chronic pain management.

#### **22. Management of critically ill patients.**

- Including oxygen therapy.
- Respiratory therapy,
- Ventilatory support,
- Haemodynamic monitoring,
- Prevention and management of multi organ failure,
- Care of patients with brain damage or brain dead patients For organ transplant.

#### **23. Advanced Trauma Life Support (ATLS)**

#### **24. Occupational Hazards**

#### **25. Safety in Anaesthesia**

#### **26. Complications in Anaesthesia.**

Complications of Anaesthetic procedures, its prevention, detection and management

#### **27. Contemporary aspects in anaesthesia.**

- Record keeping in Anaesthesia
- Medical Audit
- Quality Assurance
- Anaesthesia standards: e.g., Minimum monitoring standard
- Medico legal aspects in Anaesthesia
- Ethics in Anaesthesia
- Principles of Evidence Based Medicine
- Basic Research Methodology and Clinical Trials
- Bio-statistics

## **8. History of Anaesthesia**

### **9. Airway Management:**

Assessment of difficult airway, Awake, Retrograde, Use of intubating LMA's, Intubating Stylets, Various laryngoscopes designated for difficult airway, Insertion of Combitube, Ability to perform Cricothyrotomy and use of Venturi, Minitracheal & Fiberoptic intubations etc

### **10. BLS & ACLS**

Basic & Advanced Cardiopulmonary & Cerebral Resuscitation (CPCR) for all age group of patients under different situations e.g., neonates, pregnant females, poisoning cases, trauma victims etc.

### **11. Acid base & Fluid management**

Acid base and fluid management including of Crystalloids, Colloids, blood & blood products

### **12. Arterial, Central & Peripheral Venous Cannulation.**

Arterial, Central Venous and P.A. Lines: Establishment, management and interpretation

### **13. Pharmacology of drugs used in perioperative phase.**

Anaesthetic drugs used in perioperative care

### **14. Equipments.**

Minor to advanced monitoring – their use, maintenance, sterilisation and care.

### **15. Medical gases**

Knowledge of Manufacturing, Storage and Central pipeline Systems.

### **16. Day Care-/ Outpatient Anaesthesia.**

- Criteria for patient selection
- concept of fast channeling of patient
- PADS scoring system.
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### **17. Anaesthesia in remote locations.**

Anaesthetic practice during disasters and for large turnover surgeries in camps / mass casualties.

Pulmonary Cases (Insertion of Double Lumen Tube, one lung anaesthesia), Thymus and Vascular surgeries etc. Ability to go on Cardiopulmonary bypass and disconnect from bypass, Ability to take, manage and interpret Arterial, Central Venous and P.A. Lines, postoperative care, management of re-explorations etc.

- **Neurosurgery:** Ability to monitor ICP, Management of head injuries, bleeds, tumours, etc with raised ICT. Ability to safely manage cases in sitting, prone, lateral, jack-knife positions and Anaesthetic management for neuro-radiology procedures

- **Urology:** Management of endoscopic surgeries like TURP/TURBT etc, Problems related to TURP, extracorporeal shock wave lithotripsy, percutaneous placement of nephrostomy etc., anaesthetic management of patients with acute and chronic renal failure, anaesthetic management of renal transplant cases of donor as well as recipient.

- **Plastic:** Management of burns contractures, congenital faciōmaxillary abnormalities like cleft lip and palate, faciōmaxillary injuries like fracture mandible, maxilla, zygoma, panfacial fractures, difficult intubations, microvascular surgeries, reconstructive surgeries, aesthetic surgeries etc

- **Dental:** Monitored Anaesthesia Care, Anaesthetic management of pedodontia patients, maxillofacial surgeries including TMJ Ankylosis, Awake, Retrograde & Fiberoptic intubations

- **Endoscopies / laparoscopies:** Anaesthetic management, specific requirement and complications of various endoscopies like cystoscopy, ureteroscopy, PCNL, hysteroscopy, thoracoscopy, mediastinoscopy etc. and Lap. assisted/laparoscopic surgery like hysterectomy, tube ligation, appendicectomy, cholecystectomy etc.

- Anaesthesia for various **diagnostic, therapeutic and Specialized** procedures

- Anaesthesia for **Geriatric patients**

- Anaesthesia for surgery using **LASER**

- **Anaesthesia / Sedation techniques out side operating room:**

Electroconvulsive shock therapy (ECT), Electrophysiologic tests, Radiofrequency ablation, Cardioversion, Cardiac catheterization, Special anaesthetic considerations in radiology and interventional radiology related to Dye allergies, Embolization, Monitoring / Equipment options in the MRI suite

Endocrine Disorders, Diseases related to Dysfunction of Hepatobiliary, Muscular, Connective

Tissues and Immune system, Management of Perioperative Infection, Neuromuscular Disorders,

Poisoning etc. and interpretation of ECG / Blood Gases / Other Biochemical Values and

### **5. Physics**

Physics as applied to Anaesthetic gases, vapours, anaesthesia machine, breathing systems, monitors, ventilators, therapeutic devices & other relevant equipment including physical principles involved in their construction and functioning

### **6. Perioperative Anaesthesia management**

Perioperative management including pre-operative evaluation, intra-operative management as well as post-operative care, monitoring (invasive as well as non-invasive) as applied to various surgical specialities and age groups.

### **7. Theory and practice of various techniques**

Theory and practice of various techniques / aspects of Routine & Emergency cases of General Anaesthesia (e.g., Intravenous / Inhalational, Endotracheal / Mask / LMA / COPA,

Spontaneous/Controlled mode of ventilation, induced hypotension / hypothermia etc.), Regional blocks (Spinal, Epidural & Peripheral Nerve block) and Local Anaesthesia, including various postures required for anaesthetic/surgical procedures, their effects and Recent Advances for most

minor to supra major surgeries in the field of:

- General surgery: e.g. minor cases like haemorrhoidectomy to supra major cases like Liver transplant
- **Gynaecology and Obstetrics**
- **ENT and Head & Neck**
- **Orthopaedics**
- **Ophthalmology**
- **Pediatric & Neonate:** Differences between adult and pediatric Anatomy, Physiology, Pharmacology, Anaesthesia principles, pediatric/neonatal emergencies, postoperative care, fluid & ventilator management etc
- **Cardiac, Vascular & Thoracic:** Conduct of closed heart as well as open heart surgeries (Valvular, Ischemic, Congenital -Cyanotic & Acyanotic), CABG (including off pump),



## DIPLOMA IN ANAESTHESIA (D.A) – CURRICULUM.

At the end of two years of training as residents in anaesthesia, the candidates should be fully conversant with theory and practical aspects of:

### **1. Human Anatomy and Physiology**

Human anatomy and Physiology of various organ systems and cellular components in relation to Anaesthesia including muscles, neuromuscular junction, nerve plexuses, cardiovascular, respiratory, neurological, hepatobiliary, renal, endocrine and temperature homeostasis, theories of mechanism of production of anaesthesia, changes during pregnancy, various tests/investigations to evaluate the functional status of organ systems as applied to Anaesthesia Management, Intensive Care Practice and Pain Relief

### **2. Pharmacology**

Pharmacology as applied to Anaesthesia, Intensive Care Practice and Pain Relief including General Pharmacological Principles, Pharmacokinetics and Pharmacodynamics of Anaesthetic Drugs (including Uptake and Distribution of Inhaled Anaesthesia agents and All the Adjuncts used in Anaesthesia, Drugs used for treatment of various Diseases and Drug Interaction

### **3. Pathophysiology of various diseases**

Pathophysiology of various diseases including disorders of cardiovascular, respiratory, neurological, hepatobiliary, renal, endocrine and immune systems, various tests/investigations to grade/measure the disease process of various organ systems as applied to anaesthesia management, intensive care practice and pain relief

### **4. Medicine**

Medicine as applied to the practice of Anaesthesia including diagnosis and management of Diabetes, Hypertension, Bronchial Asthma, Chronic Obstructive Pulmonary Diseases, Respiratory Failure, ARDS, Myocardial Ischemia / Infarction, Arrhythmia, Shock, Congestive Heart Failure, Acute / Chronic Renal Failure, Head Injury, Unconscious patients, Status Epilepticus / Asthmaticus,

## MGM INSTITUTE OF HEALTH SCIENCES, NAVI MUMBAI

### MARKLIST FOR PRACTICAL AND VIVA-VOCE EXAMINATION

EXAM CENTRE: \_\_\_\_\_ COURSE / EXAM : PG –

DATE OF EXAMINATION: \_\_\_\_\_ EXAMINATION FOR: DA (Diploma in Anesthesiology)

Seat No	1 CLINICAL CASES					2 VIVA-VOCE			GRAND TOTAL (1+2)
	Long Case 1	Long Case 2	Short Case 1	Short Case 2	TOAL	Viva-Voce -I (Equipments, X-Rays & ECG)	Viva-Voce-II (Drugs, investigations, charts& laboratory findings)	Total	300 Marks
	75	75	25	25	200	50	50	100	

NAME OF EXAMINER	COLLEGE	SIGNATURE WITH DATE
<u>1.</u>		
<u>2.</u>		
<u>3.</u>		
<u>4.</u>		

PG COURSES: - DIPLOMA

Sr. No.	Course	Subject Name	Paper No. & Topics
i)	D.C.H.	DIPLOMA IN PAEDIATRIC	I. Basic medical as applied to paediatrics. II. Neonatology, social and preventive Paediatric. III. Systemic disease in Paediatrics Respiratory cardiology, CVS, Neurology, Haematology, Nephrology, Rheumatology, Immunology, Gastroenterology, growth and development. Congenital & acquired disorder of Eye care, Nose, Throat and joints, Endocrine system and miscellaneous diseases.
ii)	D.A.	DIPLOMA IN ANAESTHESIOLOGY	I. Basic Sciences as related to Anaesthesia (History, Anatomy, Physiology, Pharmacology, Pathology, Physics, Instrument & Equipments, etc.) II. Theory & Practice of Anaesthesia III. Clinical Sciences like Medicine & Surgery related to Anaesthesia
iii)	D.G.O.	DIPLOMA IN OBST. & GYNAECOLOGY	I. Obstetrics including the diseases of newborn. II. Gynaecology, Gynaecological Pathology & Operative Gynaecology. III. Medical and surgical diseases complicating obstetrics & Gynaecology, social obstetrics & Gynaecology including M.CH. & F. W.
iv)	D. ORTHO	DIPLOMA IN ORTHOPAEDICS	I. Anatomy, Physiology and Pathology as applicable to Orthopaedics. II. Traumatology and general Surgery. III. General Orthopaedics
v)	D.O.	DIPLOMA IN OPHTHALMOLOGY	I. Anatomy, Physiology and Optics. II. Ophthalmic Medicine and surgery. III. Ophthalmology related to systemic diseases and new innovations and techniques in Ophthalmology.

## IN PURSUIT OF EXCELLENCE

### MGM DEEMED UNIVERSITY OF HEALTH SCIENCES

#### Constituent Colleges

##### Navi Mumbai

M.G.M. Medical College  
M.G.M School of Biomedical Science  
M.G.M School of Physiotherapy  
M.G.M New Bombay College of Nursing  
M.G.M College of Nursing

##### Aurangabad

M.G.M. Medical College  
M.G.M School of Biomedical Science  
M.G.M School of Physiotherapy  
M.G.M College of Nursing



MAHATMA GANDHI MISSION



### AURANGABAD

- MGM's Jawaharlal Nehru Engineering College
- MGM's Institute of Management
- MGM's Mother Teresa College of Nursing
- MGM's Mother Teresa Institute of Nursing Education
- MGM's College of Journalism & Media Science
- MGM's Medical Center & Research Institute
- MGM's College of Fine Arts
- MGM's Dr. D. Y. Pathrikar College of Comp. Sc. & Tech.
- MGM's Hospital & Research Center
- MGM's College of Agricultural Bio-Technology
- MGM's Dept. of Bio-Technology & Bio-informatics.
- MGM's Inst. of Hotel Management & Catering Tech.
- MGM's Institute of Indian & foreign Languages & Comm.
- MGM's College of Physiotherapy
- MGM's Hospital, Ajabnagar
- MGM's Sangeet Academy (Mahagami)
- MGM's Institute Naturopathy & Yoga
- MGM's Sports Club & Stadium
- MGM's Institute of Vocational Courses
- MGM's Horticulture
- MGM's Health Care Management
- MGM's Junior College of Education (Eng. & Mar.)
- MGM's Sanskar Vidyalaya (Pri. & Sec. - Mar.)
- MGM's Clover Dale School (Pri. & Sec. - Eng.)
- MGM's First Steps School (Pre-Primary - English)
- MGM's Sanskar Vidyalaya (Pre-Primary - Marathi)
- MGM's School of Biomedical Sciences

### NAVI MUMBAI

- MGM's College of Engineering & Technology
- MGM's Institute of Management Studies & Research
- MGM's Dental College & Hospital
- MGM's College of Physiotherapy
- MGM's College of Media Science
- MGM's Institute of Research
- MGM's New Bombay Hospital, Vashi
- MGM's Hospital, CBD
- MGM's Hospital, Kamothe
- MGM's Hospital, Kalamboli
- MGM's Infotech & Research Centre
- MGM's Pre-Primary School (English & Marathi)
- MGM's Primary & Secondary School (Eng. & Mar.)
- MGM's Junior College Science
- MGM's Junior College of Vocational Courses
- MGM's Florence Nightingale Inst. Nursing Edu.
- MGM's College of Nursing
- MGM's College of Law

### NANDED

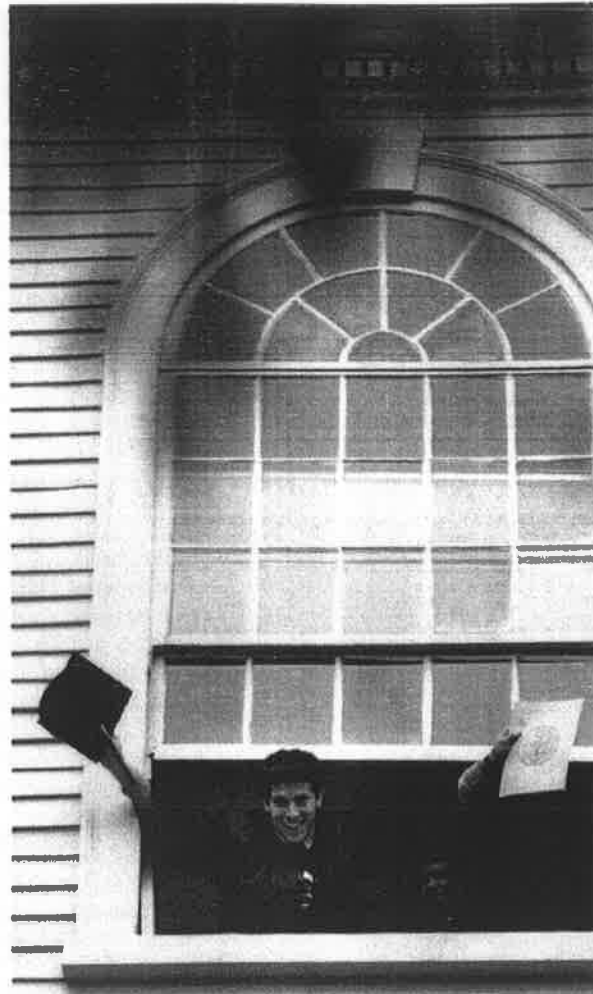
- MGM's College of Engineering
- MGM's College of Fine Arts
- MGM's College of Computer Science
- MGM's College of Journalism & Media Science
- MGM's Centre for Astronomy & Space Tech.
- MGM's College of Library & Information Science

### PARBHANI

- MGM's College of Computer Science

### NOIDA (U.P.)

- MGM's College of Engineering & Technology



**MGM University of Health Sciences**  
(Education - Health Services - Research)  
A Mission started, nurtured and Managed  
by Professional Doctors, Scientists Engineers...



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



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Ph : - 022-27422471, 65168127, 65138121 Fax : 022-27420320  
E-mail : [mgmuniversity@mgmuhs.com](mailto:mgmuniversity@mgmuhs.com)  
Website: [www.mgmuhs.com](http://www.mgmuhs.com)

**Resolution passed in BOM – 48/2017, dated 24/01/2017**

**Resolution No. 5.25:** Resolved to institute 6 monthly progress Report for PG Students of all Courses from the batches admitted in 2016-17. [**Annexure-XVII of BOM-48/2017**]



**Mahatma Gandhi Mission's Medical College and Hospital  
Navi Mumbai**

**Six monthly Progress Report for Postgraduate Students**

**PART A**

Name of the PG student: \_\_\_\_\_

Department: \_\_\_\_\_

Admitted in (Month and Year): \_\_\_\_\_

Name of the PG guide: \_\_\_\_\_

Report for the period: \_\_\_\_\_ to \_\_\_\_\_

Attendance: \_\_\_\_\_ days ( \_\_\_\_\_ %)

**PART B**

**Grading as per performance**

Grade	Percentage
A	80% and above
B	65% to 79%
C	50% to 64%
D	Below 50%

1. OPD work:
2. Ward work:
3. Lab work:
4. OT work:
5. ICU work:
6. Teaching assignments:

**PART C**

**Progress of Thesis**

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**PART D**

*Activities from serial No. 1 to 5 should be rated on a scale of 0 to 10.*

**1. Case Presentations**

Sr. No.	Topic	Date	Guide	Marks

**2. Microteaching**

Sr. No.	Topic	Date	Guide	Marks

**3. Recent Advances**

Sr. No.	Topic	Date	Guide	Marks



#### 4. Seminars

Sr. No.	Topic	Date	Guide	Marks

#### 5. Journal Clubs

Sr. No.	Journal	Title of Paper	Date	Guide	Marks

#### 6. Marks obtained in tests

Sr. No.	Date	Theory / Practical	Marks obtained

#### 7. Any other academic activity conducted:

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PART E

**1. Papers presented**

Sr. No.	Title of Paper	Authors	Event	Date

**2. Posters presented**

Sr. No.	Title of Poster	Authors	Event	Date

**3. Publications**

*(Note: Mention only those publications that are published or are accepted for publication during the said period only)*

Sr. No.	Title of Paper	Authors	Journal	Year/Vol/ Issue	Page Nos	Indexed/ Non-Indexed	Status

**Certificate by the PG Guide**

This is to certify that Dr. \_\_\_\_\_, has an attendance of \_\_\_\_\_% , during the period \_\_\_\_\_ to \_\_\_\_\_. His /Her performance during the said period has been **satisfactory/ average / unsatisfactory**.

**Overall Grading:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Name and Signature of PG guide:**

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**Certificate by the Head of Department**

This is to certify that the performance of Dr. \_\_\_\_\_, during the period \_\_\_\_\_ to \_\_\_\_\_, has been **satisfactory/ average / unsatisfactory**.

**Overall Grading:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Name and Signature of HOD:**

---

**Final Remarks**

**Satisfactory / Average / Unsatisfactory**

**Director (Academics)**

**Dean**

**Date:**

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**Resolution No. 1.3.7.11 (i) of BOM-51/2017:** Resolved that the following Bioethics topics in PG Curriculum are to be included for PG students of all specialization and a sensitization of these topics can be done during PG Induction programme:

- Concept of Autonomy
- Informed Consent
- Confidentiality
- Communication Skills
- Patient rights
- Withholding / Withdrawing life-saving treatment
- Palliative Care
- Issues related to Organ Transplantation
- Surgical Research and Surgical Innovation
- Hospital Ethics Committee
- Doctor-Patient relationship

PG,  
30 copies

Resolution No. 1.3.23 of POM-51/2017: Resolved to implement a Structured Induction programme (07 days) for PG students. [Annexure X, IV]

**MGM INSTITUTE OF HEALTH SCIENCES**  
Navi Mumbai

**Induction Program for newly admitted Postgraduate students**

Day 1	<ul style="list-style-type: none"> <li>• Address by Dean, Medical Suptd, Director (Academics)</li> <li>• Pre-test</li> <li>• Communication Skills</li> <li>• Universal Safety Precautions</li> <li>• Biomedical Waste Management</li> <li>• Infection Control Policy</li> </ul>
Day 2	<ul style="list-style-type: none"> <li>• Emergency services</li> <li>• Laboratory services</li> <li>• Blood Bank services</li> <li>• Medicolegal issues</li> <li>• Prescription writing</li> <li>• Adverse Drug Reaction</li> <li>• Handling surgical specimens</li> </ul>
Day 3	<ul style="list-style-type: none"> <li>• Principles of Ethics</li> <li>• Professionalism</li> <li>• Research Ethics</li> <li>• Informed Consent</li> <li>• Confidentiality</li> <li>• Doctor-Patient relationship</li> </ul>
Day 4	<ul style="list-style-type: none"> <li>• Research Methodology</li> </ul>
Day 5	<ul style="list-style-type: none"> <li>• Synopsis writing</li> </ul>
Day 6	<ul style="list-style-type: none"> <li>• Dissertation writing</li> <li>• Statistics</li> </ul>
Day 7	<ul style="list-style-type: none"> <li>• ATLS</li> <li>• Post-test</li> </ul>

**The Induction Program will be conducted in the first week of June.**  
Timing: 9.30 am to 3.30 pm

(Prof. Dr. Siddharth P. Dubhashi)  
Director (Academics)

**Resolution No. 4.5.4.2 of BOM-55/2018:** Resolved to have 10 short notes out of 11 (10 marks each) in all the papers in university examination for PG courses including superspeciality. To be implemented from batch appearing in April/May 2019 examination onwards for MD/MS/Diploma and August/September 2019 examination onwards for superspeciality.

**Resolution No. 4.13 of BOM-55/2018: Resolved as follows:-**

- (i) Slow learners must be re-designated as potential learners.
- (ii) Students scoring less than 35% marks in a particular subjects/course in the 1<sup>st</sup> formative exam are to be listed as potential learners. These learners must be constantly encouraged to perform better with the help of various remedial measures.
- (iii) Students scoring more than 75% marks in a particular subjects/course in the 1<sup>st</sup> formative exam are to be listed as advanced learners. These learners must be constantly encouraged to participate in various scholarly activities.





# MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

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