

भारतीय गैर न्यायिक

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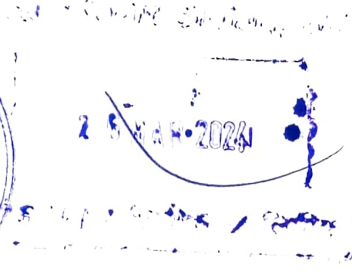
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महाराष्ट्र MAHARASHTRA

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April 3, 2024

### Memorandum of Understanding

Between

**Mahatma Gandhi Mission Institute of Health Science (MGMIHS),  
Sector 1, Kamothe, Navi Mumbai, Maharashtra 410209**


And

**Apollo Hospitals Enterprise Limited, Parsik Hill Rd, Sector 23,  
CBD Belapur, Navi Mumbai, Maharashtra 400614.**

This Memorandum of Understanding (hereinafter referred to as the "MOU") is made and entered into as of the date last signature below by and between:

**Mahatma Gandhi Mission Institute of Health Science, Kamothe,  
Navi Mumbai (MGMIHS)** Which expression shall include its constituent units/Medical Colleges and Hospitals) having its office at Sector 1, Kamothe, Navi Mumbai, Maharashtra 410209 through its Authorized representative/Vice-Chancellor or Registrar of the First Part.

**Dr. Rajesh B. Goel**  
Registrar

  
**MGM Institute of Health Sciences**  
(Deemed University u/s 3 of UGC Act, 1956)  
Navi Mumbai- 410 209

**Dr. Kiran Shingote**  
Unit Head  
Apollo Hospitals, Navi Mumbai

Cont. 2/-

मुद्रांक विक्री नोंदणी अनु क्र.

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दिनांक

दस्ताचा प्रकार

MOU

दस्त नोंदणी करणार आहत का ? होय/नाही

मिळकतीचे वर्णन

मुद्रांक विकत घेणा-याचे नाव

Mahatma Gandhi Mission Institute of Health

दुस-या पक्षकाराचे नाव

Apollo Hospitals Enterprise Ltd

इसते असल्यास नाव, पत्ता

Arvind Vartak सही

मुद्रांक शुल्क रक्कम

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मुद्रांक विक्रेत्याची सही व विक्रीचे ठिकाण

राणे स्टॅम्प वेंडर, दुकान क्र. ३१, प्रभात सेंटर,

सेक्टर-१-अ, सी.बी.डी.बेलापूर, नवी मुंबई-४००६१४

(सौ. डी. बी. राणे)

परवाना क्र. १२०१०४१

ज्या कारणासाठी ज्यांनी मुद्रांक खरेदी केला त्यांनी त्याच कारणासाठी

मुद्रांक खरेदी केल्यापासून ६ महिन्यात वापरचे बंधनकारक आहे.



and

**Apollo Hospitals Enterprise Limited(AHEL)**, Plot # 13, Off Uran Road, Parsik Hill Rd, Sector 23, CBD Belapur, Navi Mumbai, Maharashtra 400614 (AHEL) having its registered cum corporate office at 7-1-617/A, 615 & 616, Imperial Towers, 7<sup>th</sup> Floor, Ameerpet, Hyderabad – 50038 through its Authorized Signatory, Dr. Kiran Shingote, COO, Apollo Hospitals Enterprise Limited hereinafter referred as "ASH", which expression shall include its subsidiary, successors and assigns) of the Second Part.

**MGMIHS and AHEL** are jointly referred as the Parties or Institutions and individually referred to by their name.

Whereas the institution intends to work together to develop a collaborative arrangement whereby the institutions may participate in teaching, training, research and other agreed activities that further enhance the program as more particularly stated here in below and the relationship between institutions.

And Whereas pursuant to various meetings and discussions the parties have agreed to conduct certain programs/course jointly. The parties represent and warrant that the parties are within their respective rights to enter into and execute the present MOU and have been authorized to execute and enter into this MOU, which authorizations are hereto as Annexure A collectively.

The "MGMIHS" and "AHEL" shall be collectively referred to as "Parties" and individually as "Party" and shall mean and include their respective successors-in-interest and permitted assigns.

1. WHEREAS:


**MGM Institute of Health Science Trust, Navi Mumbai (MGMIHS)**

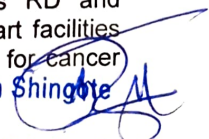
The MGMIHS was established on 30<sup>th</sup> August 2006 with a futuristic vision to provide qualitative education by applying innovative and dynamic pedagogical techniques. Since its inception, MGMIHS has focused on providing Health Care Services, Medical Education with utmost dedication and commitment. Service to society at the grassroots level has been the basic vocation of MGMIHS along with education. MGMIHS has been instrumental in providing prompt and efficient health care service to the economically weaker sections of society. The Teaching Hospitals and Medical Colleges underscore its commitment to human resource development and social health and welfare.

**Apollo Hospitals Enterprise Limited(AHEL),**

Apollo Hospitals Enterprise Limited, Plot # 13, Off Uran Road, Parsik Hill Rd, Sector 23, CBD Belapur, Navi Mumbai, Maharashtra 400614 (AHEL), a company registered under the Companies Act and having its registered cum corporate office at 7-1-617/A, 615 & 616, Imperial Towers, 7<sup>th</sup> Floor, Ameerpet, Hyderabad – 50038. AHEL is a company registered under the companies Act and having its office at 19, Bishop Gardens, Raja Annamalipuram, Chennai 600006. ASH has all valid and subsisting approvals and licenses and is eligible to execute and enter into this MOU.

Apollo Hospitals Enterprise Limited, is located and has its operational health care facilities for needy patients at Belapur, Navi Mumbai. It has high-precision and advanced facilities for Cancer Management like Oncology surgery, Oncology Chemotherapy and Oncology Radiotherapy. Hereinafter, Radiotherapy will be referred to as "RT", Diagnostic Radiology as "RD" and Nuclear Medicine as "NM". This institution provides state-of-the-art facilities for cancer patients. It also has Brachytherapy treatment facilities for cancer patients.

  
Dr. Rajesh B. Goel  
Registrar  
MGM Institute of Health Sciences  
(Deemed University u/s 3 of UGC Act, 1956)  
Navi Mumbai- 410 209

  
Dr. Kiran Shingote  
Unit Head  
Apollo Hospitals, Navi Mumbai

With best possible clinical protocols, laboratory and advanced equipment for cancer management, this institution is making significant strides in its journey by having single-minded focus on service to the patients.

The parties hereto acknowledge that the Parties have the required infrastructure and facilities including faculty, all essential equipment as per Atomic Energy Regulatory Board, herein referred to as "AERB" and Bhabha Atomic Research Centre "herein referred to as "BARC", libraries, laboratories which, if associated with each other will only help each other, enhance and improve the learning experience and in-depth and comprehensive practical knowledge, experience and training of the students whenever it is required.

## **NOW THEREFORE THIS MOU WITNESSETH AS FOLLOWS:**

### **1. Objectives of the MOU:**

Both the Parties agree:


- To develop the overall academic and managerial skill in graduate students to effectively with the application of appropriate technologies and its strategies.
- To offer Masters to improve the employability skills
- To conduct training programs, workshops, seminars, continued medical education, and other awareness activities in the area of Oncology Healthcare Management and medicine and therein the Radiotherapy and its inter-linked departments which are mutually aggregable.

### **2. Areas of Collaboration**

- To cooperate in the exchange of information and knowledge through lectures related to their activities in the field of mutual interest at Apollo Hospitals Enterprise Limited, Plot # 13, Off Uran Road, Parsik Hill Rd, Sector 23, CBD Belapur, Navi Mumbai, Maharashtra 400614 (AHEL) as required in the program M Sc (Medical Physics).
- To cooperate in the exchange of information through practicals and hands-on on at Apollo Hospitals Enterprise Limited, Plot # 13, Off Uran Road, Parsik Hill Rd, Sector 23, CBD Belapur, Navi Mumbai, Maharashtra 400614 as required in the program M Sc (Medical Physics) for Semester I, Semester II, Semester III and Semester IV.
- To cooperate in exchange of information through one-year full time internship and hand's on at Apollo Hospitals Enterprise Limited, Plot # 13, Off Uran Road, Parsik Hill Rd, Sector 23, CBD Belapur, Navi Mumbai, Maharashtra 400614 as required in the program M Sc (Medical Physics) for semester V and Semester VI.

### **3. The Program**

- The program under this present MOU covers the course as Masters of Science in Medical Physics herein also referred to as M. Sc. (Medical Physics).

  
Dr. Rajesh B. Goel  
Registrar  
MGM Institute of Health Sciences  
(Deemed University u/s 3 of UGC Act, 1956)  
Navi Mumbai: 410 209

  
Dr. Kiran Shingote  
Unit Head  
Apollo Hospitals, Navi Mumbai



- Duration of the course: The total duration of the course is three years wherein the two years will be a full-time course and one year will be the internship in the hospital.
- The course entails theory and practical training. The parties agree and undertake that the parties will jointly conduct the program and the courses thereunder. The course will be conducted at the premises of both parties as per the required and available infrastructure and faculties. The Parties agree and acknowledge that the facilities and the infrastructure are adequate to run the program as per AERB and BARC. Both parties agree that the students shall be permitted to use the facilities under supervision during the term of the course.
- The parties agree that the experts shall visit the MGMIHS premises as visiting/honorary faculty, the schedule of which shall be synchronized. The students will be permitted to use the infrastructure and equipment at Apollo Hospital Enterprises, Belapur as per the schedule agreed upon. Such activities will be under the supervision of Apollo Hospital, Belapur.
- The parties agree to exchange and sharing of technical and scientific data and research material, solely for education and research.
- Faculty of MGMIHS and Apollo Hospital depending on their qualifications and experience can act as mentors/co-guides/supervisors to the students pursuing this course as the case may be.
- To facilitate the implementation plan of this MOU, both parties agree to have regular communication and correspondence, all of which shall be also copied to the Head of the Department of Medical Physics (MGMIHS, Kamothe) and Chief Medical Physicist (Apollo Hospital, Belapur) keeping copies to the Competent Authorities of both parties. Only written communications shall be considered as valid official communications.
- This MOU shall be effective and comes into force upon the signatures of the authorized signatories of both parties. It shall be subject to revision only by a written and duly executed agreement/addendum between parties.
- The parties agree to make efforts to staff/students with their projects/dissertations and any other scientific assignments provide support, and train them adequately with the required infrastructure.

#### 4. Administration

- The Authorized Signatories of both MGMIHS and AHEL shall jointly administer and supervise the program and the course under this MOU.
- The parties will be responsible for developing and carrying out a joint action plan and making regular reports on the implementation of this MOU to the Head of the Department of Medical Physics (MGMIHS, Kamothe) and Chief Medical Physicist (Apollo Hospital, Belapur).
- This report then shall be forwarded to the Competent Authorities of both parties for further review and suggestions.

  
Dr. Rajesh B. Goel  
Registrar

MGM Institute of Health Sciences  
(Deemed University u/s 3 of UGC Act, 1956)  
Navi Mumbai- 410 209

  
Dr. Kiran Shingote  
Unit Head  
Apollo Hospitals, Navi Mumbai

## 5. OBLIGATION OF PARTIES

- MGMIHS and AHEL through its Apollo Hospital have agreed that in support of their mutual interest in the field of education and community service, both the parties shall undertake the following obligations.

### A. Obligations of MGMIHS:

- To provide a Masters full-time program in Medical Physics to the B. Sc. Graduates with Physics as a main subject.
- To provide technical support and expertise in developing professional courses related to this field.
- To provide an exchange of information through lectures by faculty or subject experts of MGMIHS during the course relating to their activities in fields of mutual interest.
- To arrange for and make available the required classroom/s, library, workspace for the provision of training/lectures to the enrolled students as may be mutually agreed from time to time.
- To conduct assessments/examinations, and evaluations and issue necessary educational documents and certificates to the students after completion of the program/course.
- To prepare the marks memos and dispatch the post-graduate degree certificates to the eligible candidates.
- To provide travel expenses to the faculty at both the places related to the visits for lectures/sessions, talks and workshops will be reimbursed by the MGMIHS as per rules.
- To encourage and provide all support to the faculty and students to organize conferences, workshops, seminars etc. The faculty, students, and staff shall be encouraged to participate in such activities to interact with each other for their academic and professional growth. These programs may be informed well in advance as and when required with due permission from the competent authorities.

### B. Obligations of Apollo Hospital/ASH

- There will be "No Financial Obligation" to Apollo in any matter during their program.
- To provide technical support, training and facilities including but not limited to the laboratory facility for the students, and faculties from MGMIHS under this program.
- To provide access to the students in the OPDs of the respective departments related to this course.
- To provide permission to interact with the patients for any assistance if required by the patient.
- To provide all support to the students under supervision for access to the area related to this program.
- To arrange for and make available the required workstations, classroom/s, library, and workspace for the provision of training/lectures to the enrolled students as may be mutually agreed from time to time.
- To encourage and provide all support to the faculty and students to organize conferences, workshops, seminars etc.

  
Dr. Rajesh B. Goel  
Registrar

MGM Institute of Health Sciences  
(Deemed University u/s 3 of UGC Act, 1956)  
Navi Mumbai- 410 209

  
Dr. Kiran Shingote  
Unit Head  
Apollo Hospitals, Navi Mumbai

- The faculty, students, and staff shall be encouraged to participate in such activities to interact with each other for their academic and professional growth.
- These programs may be informed well in advance as and when required with due permission from the competent authorities.
- The practicals and internship is during 2024-2026 and 2026-2027 respectively. Apollo Hospital may assign a project to them. All the clinical data etc will be the property of Apollo Hospital and will not presented or published anywhere without the consent and approval from Apollo Hospital.
- Students will follow all the rules, regulations, and disciplines of Apollo Hospital.
- Apollo Hospital may keep their attendance and share with us for review if you feel appropriate.
- Apollo Hospital may ask students to present their work in a short meeting for any suggestions and feedback from Apollo Hospital.
- The students will be involved in all the tasks assigned to them during the internship period.
- Their internship may cover their involvement broadly in the Radiotherapy, Radiology and Nuclear Medicine Departments as governed by Apollo Hospital.
- Upon completion of a one-year internship at Apollo Hospital, students will report to the University and will undergo the Semester End Examinations.
- The Degree will be offered to them once they successfully qualify all the assessments during this course.
- Apollo Hospital may give awareness to these students in other applicable departments where radiation facilities are utilized.

**Committee:**

- The MGMIHS and Apollo Hospital shall appoint the Coordinator/Authorized representative at their respective offices who shall be responsible for coordinating all communications, supervising, and directing the implementation of the MOU. Activities like examinations, admission, and administrative matters will be monitored through a committee of MGMIHS.
- The authorized representatives and or coordinators shall jointly supervise the program and file reports in respect thereof to the Committee. The committee shall place the reports before the Board of Management of the Board of Studies or Academic Council as required.

**Duration:**

- The MOU shall become effective (3<sup>rd</sup> April 2024) as and when this document is executed by the authorized officials of both parties and shall remain in force for a period of "Five years ("Term").
- Upon the completion of this term, the MOU may further be renewed for a period of another five years or a mutually agreed period upon the consent of both parties.
- The course would be recognized as Master of Science in Medical Physics [M. Sc. (Medical Physics)].
- The program will be tentatively started from the Academic year 2024-2025 at the MGM University, Kamothe, Navi Mumbai.

  
Dr. Rajesh B. Goel  
Registrar

MGM Institute of Health Sciences  
(Deemed University u/s 3 of UGC Act, 1956)  
Navi Mumbai- 410 209

  
Dr. Kiran Sanyal  
Unit Head  
Apollo Hospitals, Navi Mumbai



### Students Intake:

- The total number of students admitted to this course may be five depending on the decision of the competent authorities at the University
- The students enrolled in the course may be at Apollo Hospital for the course practical from 2024-2026
- For internship, a minimum two students may be at Apollo Hospital for a variable period (minimum of three months and maximum for twelve months) starting from July-August 2026.
- After a minimum period of three months, if required, the University may rotate the student to any other AERB-approved Cancer Facility under MGMHS as per the decision by the competent authorities at the University.
- The faculty at the University will be the mentor of the student during the internship period. The students will be under the supervision of the staff at Apollo Hospital.
- The student to submit the internal report duly signed and approved by Apollo Hospital's respective authorities to the University for the duration of the internship period.
- The University will provide a final internship certificate to the student as per the regulatory requirement.


### Financial Provisions:


#### Fees and Expenses

- The parties in consultation jointly decide upon the fees and other charges for the course.

#### Scope of practical support and internship

- The students will be trained thoroughly in practical aspects of the program at the appropriate places/labs when required or the schedule decided by the Apollo Hospital during practicals and internships etc.
- The detailed scope of support where the students shall be trained is listed below:

  
Dr. Rajesh B. Goel  
Registrar  
MGMHS Institute of Health Sciences  
(Deemed to be University) Act 1956  
New Building - 411 019

  
Dr. Kiran Shingote  
Unit Head  
Apollo Hospitals, Navi Mumbai



## Broad Scope of Practicals and Internship

Sr. No.	Request of Support	Support details
1.	<b>Teletherapy</b> All tasks related to all available <b>high energy x-ray beams and all available electron beams available with the Linear Accelerator</b>	Equipment Specifications Beam data acquisition, Beam modeling, Validation, Relative and Absolute Dosimetry and Periodic QA/QC, Audits, Treatment Planning and Plan Evaluation, CBCT, analysis Networking, Record, and verification, Machine and Patient-specific QA, In vivo dosimetry, Film/TLD Dosimetry, Troubleshooting and minor maintenance, Log files and record-keeping, Special procedures (TBI/TMLI/TSET...), Radiation survey for X-Rays, Electrons and Neutrons, AERB related compliances
2.	<b>Brachytherapy</b> All tasks related to HDR Remote Afterloader Brachytherapy	Specifications, Layout, Techniques, brachytherapy sources, dosimetry protocols. Calibration, Acceptance, commissioning, and quality assurance, Imaging treatment planning, plan evaluation Record & Verification, Radiation survey Disposal, AERB related compliances, QA
3.	<b>QA of all RT /RD/NM equipment</b>	
4.	<b>4DCT Simulator</b>	Layout, Acquisition (3D/4D), Site specific simulations, Use of CT Simulator for Teletherapy and Brachytherapy, QA, Safety
6.	<b>Mould room</b>	Immobilization, patient positioning and alignment, setup errors etc
7.	<b>Radiology Department</b>	Multimodality imaging (CT/MR), networking, PACS etc, QA
8.	<b>Nuclear Medicine &amp; High Dose Therapy</b>	PET-CT, Gamma Camera, Cyclotron, High Dose therapy, QA, Application in RT Layout, Department activities, Radiation protection, Log files and records Dosimetry, QA/QC, Safety, Documentation AERB related compliances
9.	<b>Other departments where Radiation is utilized</b>	
10.	<b>Any other relevant practical aspects</b>	

  
**Dr. Rajesh B. Goel**  
Registrar

**MGM Institute of Health Sciences**  
(Deemed University as per UGC Act, 1956)  
Navi Mumbai- 410 209

  
**Dr. Kiran Shingote**  
Unit Head  
Apollo Hospitals, Navi Mumbai

### Fee Share:

- MGMIHS will collect fees from the students and shall pay the fees to AHEL within 30 days after the last date for receiving fees from the students.
- The basis of the fee share will be the ratio of credits assigned for theory and practicals.
- Payment shall be subject to TDS as per the applicable rate.
- The parties agree to share the fees as under:

Course	Year	Semester	Tuition Fee Share (%)	
			Apollo Share (%)	MGMIHS Share (%)
M. Sc. (Medical Physics)	First	I & II	33	67
M. Sc. (Medical Physics)	Second	III & IV	33	67
Internship (full time one year)	Third	V & VI	NA	NA

Cost of GST if any applicable shall be borne by MGMIHS.

### AMENDMENT, DURATION AND TERMINATION OF MOU

- The tenure of MOU may be extended with mutual agreement of the parties and on terms and conditions as are mutually negotiated and agreed by and between the parties.
- This MOU may be amended at any time only by a written document /amendment in writing signed by the parties and with the prior mutual consent of both parties. The parties agree that any amendment to the MOU shall be in writing and signed by the authorized person of the parties. The amendment shall be in the form of an addendum. The parties agree that the other terms and conditions of the MOU shall remain valid, effective and binding on the parties.
- This MOU may be terminated by either party by the provision of prior written notice of termination of 30 days to each other. However, both parties agree that all continuing obligations to stakeholders are met in full after the notice of termination.
- The termination shall not affect the rights or obligations of either party regarding any binding offer or firm obligation approved and agreed to either party prior to the termination date.

### MISCELLANEOUS:

- If any provision of this MOU is held by any court or other competent authority to be illegal, void, or enforceable in whole or in part, this MOU shall continue to be valid as to the other provisions therefore and the remainder of the affected provision.
- Nothing in this MOU constitutes or to be construed a party as the partner, agent, employee or representative of the other party.
- A party must not act independently of the other party and does not have the right or power to commit the other party on any matter or incur any obligation on behalf of or pledge the credit of the other party without the prior approval of the other party.

  
Dr. Rajesh B. Goel  
Registrar

MGM Institute of Health Sciences  
(Deemed University u/s 3 of UGC Act, 1956)  
Navi Mumbai-411 209

  
Dr. Kiran Bhingote  
Unit Head  
Apollo Hospitals, Navi Mumbai

- The parties agree to comply with all laws applicable within the jurisdiction of the signatories below.
- Parties shall conduct their activities following all the statutory regulations and law of the land in letter and spirit.

### **ASSIGNMENT**

Neither party may assign this Agreement or the rights there under without the prior written consent of the other party.

### **Order of Precedence**

In the event of any inconsistency between the terms of this agreement and the documents referenced or incorporated herein or any other document, correspondence or agreement concerning this program between the parties and/or their employees, the terms of this agreement will prevail.

### **Entirety**

This agreement represents the entire agreement and understanding between the parties concerning its subject matter and supersedes any prior and/or contemporaneous discussions, representations, or agreements, whether written or oral, of the parties regarding this subject matter.

### **Counterparts**

This agreement may be executed in multiple counterparts, each of which will be deemed an original, but all of which will constitute the same agreement, and the signature pages from any counterpart may be appended to any other counterpart to assemble fully executed counterparts.

### **Dispute Resolution**

In event of dispute or claim between the parties concerning the interpretation of any provision of this agreement or the performance of any of the terms/obligations of/under this agreement, such matter or matters in dispute shall be first settled amicably by setting up a mutually agreeable committee of faculty. The parties after discussion shall try their level best to resolve the dispute arising out of this agreement, failing which through the Arbitration process. Both the parties after due discussion shall appoint an Arbitrator for resolving the dispute arising out of this agreement. The venue and place for Arbitration shall be Hyderabad. Processing of Arbitration shall be in English. Cost of Arbitration shall be bear by the Parties jointly.



**Dr. Rakesh B. Goel**  
Registrar

**MGM Institute of Health Sciences**  
(Deemed University as per UGC Act, 1956)  
Navi Mumbai- 410 209



**Dr. Kiran Shingote**  
Unit Head  
Apollo Hospitals, Navi Mumbai



## Jurisdiction

If the dispute cannot be settled by the above process, the courts located at Mumbai could be approached for adjudication.

**IN WITNESS WHEREOF**, the undersigned, being duly authorized, have signed this Memorandum of Understanding in two original copies in English at the place and on the date indicated below:


## PARTIES

On Behalf of  
Apollo Hospital Enterprise Limited

  
Dr. Kiran Shingote  
Unit Head  
Apollo Hospitals, Navi Mumbai

Date 3/4/2024

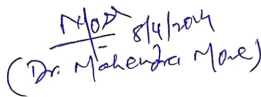
On Behalf of Mahatma Gandhi  
Institute of Health Sciences

  
Dr. Ramesh B. Goel  
Registrar  
MGM Institute of Health Sciences  
(Decemed University u/s 3 of UGC Act, 1956)  
Navi Mumbai-410 209

Date

3/4/2024

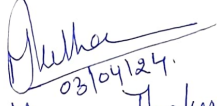
WITNESSES with date

1.   
(Dr. Mahendra More)

2. 

  
1. Dr. R.A. Kinchikar

2.

  
Dr. Mausee Thaker

**Director**  
MGM School of Biomedical Sciences  
MGM Institute of Health Sciences  
Kamothe, Navi Mumbai-410 209, India