MAHATMA GANDHI UNIVERSITY
of
MEDICAL SCIENCES & TECHNOLOGY
JAIPUR



THE Sustainability Impact Rankings 2027 | Criterion 17.2.3

MAHATMA GANDHI UNIVERSITY of MEDICAL SCIENCES & TECHNOLOGY JAIPUR

SDG 17: Partnerships for the Goals (2025)

17.2.3 Participation in International Collaboration on Gathering or Measuring Data for the SDGs

Mahatma Gandhi University of Medical Sciences & Technology (MGUMST), Jaipur, participates in international collaboration through formal agreements and MoUs with overseas universities and government bodies, jointly protected intellectual property, collaborative research publications, and participation in international congresses and academic exchange. This report documents the following records, each with supporting evidence and photographic documentation where available.

S.No	Event	Date	Venue / Level
1	International Diabetes Federation (IDF) Congress 2025	7–10 April 2025	Bangkok; International
2	Visit of Dental Undergraduate Students from the University of Toulouse, France	July 2025	MGUMST, Jaipur; International exchange
3	ASSA–IOSSMA ASEAN 2025: International Orthopaedic & Sports Medicine Congress	26–28 August 2025	Meru Sanur Hotel, Bali, Indonesia; International
4	International Collaboration through Intellectual Property	226 records	MGUMST IP register
5	International Collaboration in Research Publications	7 publications	University publication list

1. International Agreements and MoUs

MGUMST has formalised international collaboration through Memoranda of Understanding and collaboration agreements with universities and government bodies in the United Kingdom, Belgium, Malaysia, Sri Lanka, Niger and Australia. These agreements provide the framework for joint research, exchange of information and data, joint seminars and publications, and faculty and student mobility, which underpin participation in international collaboration on gathering and sharing evidence for the SDGs.

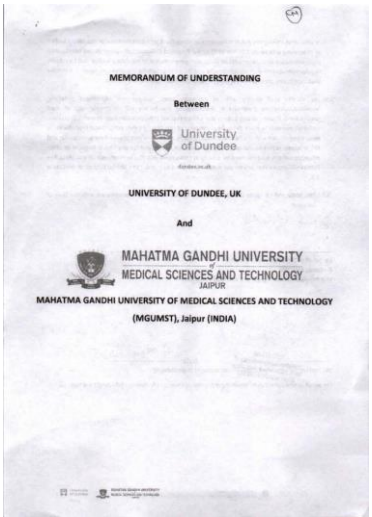
Summary of International Agreements

S.No	International partner	Date
1	University of Dundee, United Kingdom	1st November 2025
2	The University of Manchester, United Kingdom	4th November 2025
3	Hasselt University, Belgium	13th May 2025
4	Universiti Malaya, Malaysia	13th November 2025
5	University of Peradeniya, Sri Lanka	13th November 2025

1.1 University of Dundee, United Kingdom

Date: 1st November 2025.

Memorandum of Understanding between the University of Dundee, UK and MGUMST, signed on behalf of Dundee by its Vice Principal (Global Engagement and Future Students) and on behalf of MGUMST by the Registrar. The laws of Scotland govern the MoU and contains compliance provisions on anti-bribery and public statements, providing the framework for academic and student collaboration.


MEMORANDUM OF UNDERSTANDING

Between

University of Dundee

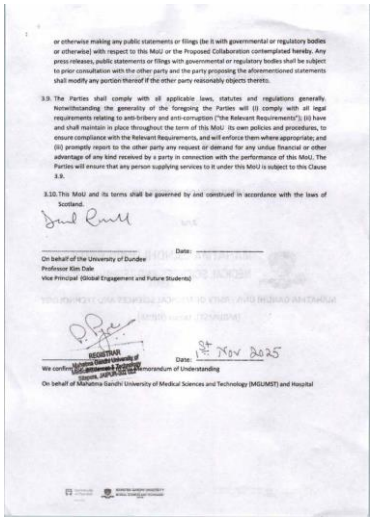
UNIVERSITY OF DUNDEE, UK

And

MAHATMA GANDHI UNIVERSITY of MEDICAL SCIENCES AND TECHNOLOGY JAIPUR

MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES AND TECHNOLOGY (MGUMST), Jaipur (INDIA)

Figure. First page of the MoU – University of Dundee


or otherwise making any public statements or filings (be it with governmental or regulatory bodies or otherwise) with respect to this MoU or the Proposed Collaboration contemplated hereby. Any press releases, public statements or filings with governmental or regulatory bodies shall be subject to prior consultation with the other party and the party proposing the aforementioned statements shall modify any portion thereof if the other party reasonably objects thereto.

3.9. The Parties shall comply with all applicable laws, statutes and regulations generally. Notwithstanding the generality of the foregoing the Parties will (i) comply with all legal requirements relating to anti-bribery and anti-corruption ("the Relevant Requirements"); (ii) have and shall maintain in place throughout the term of this MoU its own policies and procedures, to ensure compliance with the Relevant Requirements, and will enforce them where appropriate; and (iii) promptly report to the other party any request or demand for any undue financial or other advantage of any kind received by a party in connection with the performance of this MoU. The Parties will ensure that any person supplying services to it under this MoU is subject to this Clause 3.9.

3.10. This MoU and its terms shall be governed by and construed in accordance with the laws of Scotland.

On behalf of the University of Dundee
Professor Kim Dale
Vice Principal (Global Engagement and Future Students)

Date: _____

REGISTRAR

Date: 1st Nov 2025

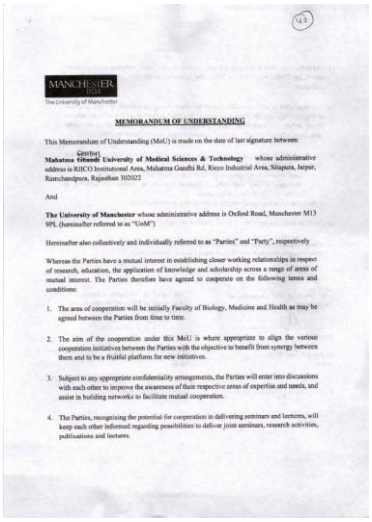
On behalf of Mahatma Gandhi University of Medical Sciences and Technology (MGUMST) and Hospital

Figure. Signature page of the MoU – University of Dundee

1.2 The University of Manchester, United Kingdom

Date: 4/11/2025

MoU covering research, education and the application of knowledge, with the Faculty of Biology, Medicine and Health as the initial area of cooperation. The parties agree to build networks, share expertise and needs, and keep each other informed of opportunities for joint seminars, research activities, publications and lectures. Confidentiality arrangements apply to proprietary information.



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is made on the date of last signature between:

Gandhi
Mahatma Gandhi University of Medical Sciences & Technology whose administrative address is RIICO Institutional Area, Mahatma Gandhi Rd, Riico Industrial Area, Sitapura, Jaipur, Ramchandpura, Rajasthan 302022

And

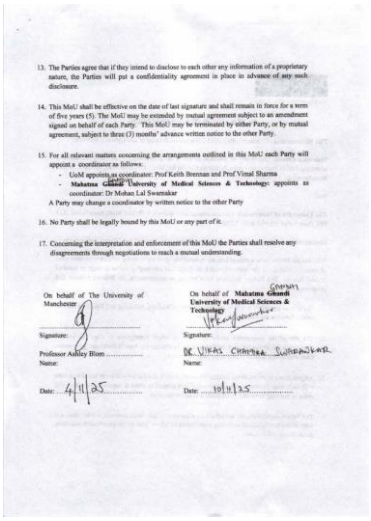
The University of Manchester whose administrative address is Oxford Road, Manchester M13 9PL (hereinafter referred to as "UoM")

Hereinafter also collectively and individually referred to as "Parties" and "Party", respectively

Whereas the Parties have a mutual interest in establishing closer working relationships in respect of research, education, the application of knowledge and scholarship across a range of areas of mutual interest. The Parties therefore have agreed to cooperate on the following terms and conditions:

1. The area of cooperation will be initially Faculty of Biology, Medicine and Health as may be agreed between the Parties from time to time.
2. The aim of the cooperation under this MoU is where appropriate to align the various cooperation initiatives between the Parties with the objective to benefit from synergy between them and to be a fruitful platform for new initiatives.
3. Subject to any appropriate confidentiality arrangements, the Parties will enter into discussions with each other to improve the awareness of their respective areas of expertise and needs, and assist in building networks to facilitate mutual cooperation.
4. The Parties, recognising the potential for cooperation in delivering seminars and lectures, will keep each other informed regarding possibilities to deliver joint seminars, research activities, publications and lectures.

Figure. First page of the MoU – The University of Manchester



13. The Parties agree that if they intend to disclose to each other any information of a proprietary nature, the Parties will put a confidentiality agreement in place in advance of any such disclosure.
14. This MoU shall be effective on the date of last signature and shall remain in force for a term of five years (5). The MoU may be extended by mutual agreement subject to an amendment signed on behalf of each Party. This MoU may be terminated by either Party, or by mutual agreement, subject to three (3) months' advance written notice to the other Party.
15. For all relevant matters concerning the arrangements outlined in this MoU each Party will appoint a coordinator as follows:
    - UoM appoints as coordinator: Prof Keith Brennan and Prof Vimal Sharma
    - Mahatma Gandhi University of Medical Sciences & Technology: appoints as coordinator: Dr Mohan Lal Swamkar

    A Party may change a coordinator by written notice to the other Party
16. No Party shall be legally bound by this MoU or any part of it.
17. Concerning the interpretation and enforcement of this MoU the Parties shall resolve any disagreements through negotiations to reach a mutual understanding.

On behalf of The University of Manchester
Signature:
Professor Ashley Bloom
Name:
Date: 4/11/25

On behalf of Mahatma Gandhi University of Medical Sciences & Technology
Signature:
DR. VIKAS CHANDRA SUREKHWAL
Name:
Date: 10/11/25

Figure. Signature page of the MoU – The University of Manchester

1.3 Hasselt University, Belgium

Date:13/05/2025

MoU between Hasselt University (represented by its Rector, Prof. Dr Bernard Vanheusden) and MGUMST (represented by its Registrar, Dr Ajay Kumar Sharma) to establish cooperative educational and research activities. Both parties signed the five-page agreement electronically.



UHASSELT

MEMORANDUM OF UNDERSTANDING
between
HASSELT UNIVERSITY
and
MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES AND TECHNOLOGY

In accordance with a mutual desire to engage in a cooperative educational and research activities, Hasselt University and Mahatma Gandhi University of Medical Sciences and Technology (MGUMST) agree to establish the following Memorandum of Understanding (MoU).

BETWEEN

1. HASSELT UNIVERSITY, a public autonomous institution incorporated and existing under the laws of Belgium, having its registered office at Martelarenlaan 42, 3500 Hasselt, Belgium, hereinafter referred to as "Uhasselt", duly represented by Prof. Dr Bernard Vanheusden, in his capacity as Rector,

and

2. MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES AND TECHNOLOGY (MGUMST), a private University incorporated by Mahatma Gandhi University of Medical Sciences and Technology Act 2011(Rajasthan State Act 22 of 2011), having its registered office at RIICO Institutional Area, Tonk Road, Sitapura, Jaipur, Rajasthan, 302022 India, represented by its Registrar Dr Ajay Kumar Sharma, hereinafter referred to as "MGUMST".

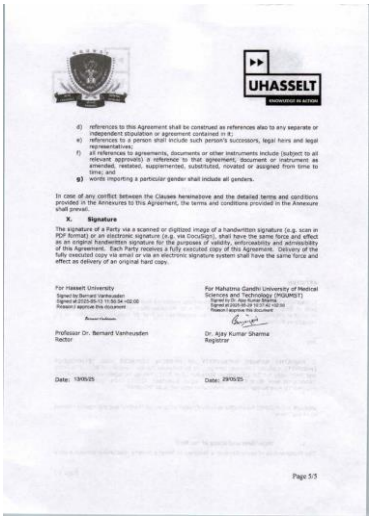
Uhasselt and MGUMST hereinafter collectively referred to as the "Parties" and individually referred to as the "Party".

1. Objectives and scope of the MoU

This Memorandum of Understanding is designed to foster a friendly relationship through mutual

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Figure. First page of the MoU – Hasselt University



UHASSELT

d) references to this Agreement shall be construed as references also to any separate or independent stipulation or agreement contained in it;
e) references to a person shall include such person's successors, legal heirs and legal representatives;
f) all references to agreements, documents or other instruments include (subject to all relevant approvals) a reference to that agreement, document or instrument as amended, restated, supplemented, substituted, novated or assigned from time to time; and
g) words importing a particular gender shall include all genders.

In case of any conflict between the Clauses hereinabove and the detailed terms and conditions provided in the Annexures to this Agreement, the terms and conditions provided in the Annexure shall prevail.

X. Signature

The signature of a Party via a scanned or digitized image of a handwritten signature (e.g. scan in PDF format) or an electronic signature (e.g. via DocuSign), shall have the same force and effect as a signed handwritten signature for the purposes of validity, enforceability and admissibility of this Agreement. Each Party receives a fully executed copy of this Agreement. Delivery of the fully executed copy via email or via an electronic signature system shall have the same force and effect as delivery of an original hard copy.

For Hasselt University
Signed by Bernard Vanheusden
Professor Dr. Bernard Vanheusden
Rector
Date: 13/05/25

For Mahatma Gandhi University of Medical Sciences and Technology (MGUMST)
Dr. Ajay Kumar Sharma
Registrar
Date: 29/05/25

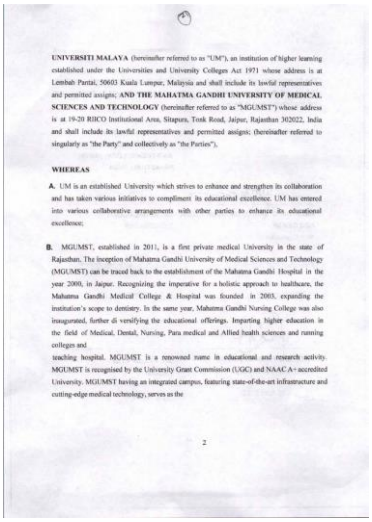
Page 5/5

Figure. Signature page of the MoU – Hasselt University

1.4 Universiti Malaya, Malaysia

Date: 13 November 2025.

MoU between Universiti Malaya and MGUMST, signed by the Vice-Chancellors of both universities in the presence of the Dean, Faculty of Dentistry, Universiti Malaya and the MGUMST Registrar. It records the understandings between the two universities for academic cooperation, with dental education and research as a focus.



UNIVERSITI MALAYA (hereinafter referred to as "UM"), an institution of higher learning established under the Universities and University Colleges Act 1971 whose address is at Lembah Pantai, 50603 Kuala Lumpur, Malaysia and shall include its lawful representatives and permitted assigns; AND THE MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES AND TECHNOLOGY (hereinafter referred to as "MGUMST") whose address is at 19-20 RIICO Institutional Area, Sitapura, Tonk Road, Jaipur, Rajasthan 302022, India and shall include its lawful representatives and permitted assigns; (hereinafter referred to singularly as "the Party" and collectively as "the Parties");

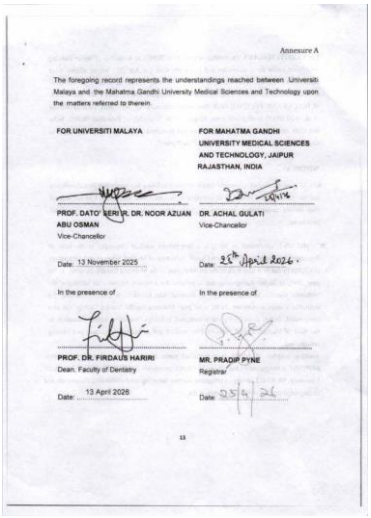
WHEREAS

A. UM is an established University which strives to enhance and strengthen its collaboration and has taken various initiatives to compliment its educational excellence. UM has entered into various collaborative arrangements with other parties to enhance its educational excellence;

B. MGUMST, established in 2011, is a first private medical University in the state of Rajasthan. The inception of Mahatma Gandhi University of Medical Sciences and Technology (MGUMST) can be traced back to the establishment of the Mahatma Gandhi Hospital in the year 2000, in Jaipur. Recognizing the imperative for a holistic approach to healthcare, the Mahatma Gandhi Medical College & Hospital was founded in 2003, expanding the institution's scope to dentistry. In the same year, Mahatma Gandhi Nursing College was also inaugurated, further di versifying the educational offerings. Imparting higher education in the field of Medical, Dental, Nursing, Para medical and Allied health sciences and running colllegen and teaching hospital. MGUMST is a renowned name in educational and research activity. MGUMST is recognised by the University Grant Commission (UGC) and NAAC A+ accredited University. MGUMST having an integrated campus, featuring state-of-the-art infrastructure and cutting-edge medical technology, serves as the

2

Figure. First page of the MoU – Universiti Malaya



Annexure A

The foregoing record represents the understandings reached between Universiti Malaya and the Mahatma Gandhi University Medical Sciences and Technology upon the matters referred to therein.

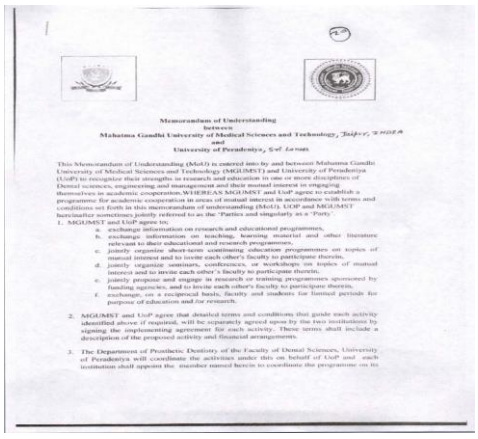
FOR UNIVERSITI MALAYA	FOR MAHATMA GANDHI UNIVERSITY MEDICAL SCIENCES AND TECHNOLOGY, JAIPUR RAJASTHAN, INDIA
PROF. DATO' SERI IR. DR. NOOR AZUAN ABU OSMAN Vice-Chancellor	DR. ACHAL GULATI Vice-Chancellor
Date: 13 November 2025	Date: 28th April 2026
In the presence of	In the presence of
PROF. DR. FIRDAUS HARIRI Dean, Faculty of Dentistry	MR. PRADIP PYNE Registrar
Date: 13 April 2026	Date: 28/4/26

Figure. Signature page of the MoU – Universiti Malaya

1.5 University of Peradeniya, Sri Lanka

Date: 13/11/2025

MoU recognising the strengths of both universities in research and education in dental sciences, engineering and management. The parties agree to exchange information on research and educational programmes and teaching material, jointly organise continuing-education programmes, seminars, conferences and workshops, jointly propose research or training programmes sponsored by funding agencies, and exchange faculty and students on a reciprocal basis.



Memorandum of Understanding
between
Mahatma Gandhi University of Medical Sciences and Technology, Jaipur, INDIA
and
University of Peradeniya, Sri Lanka

This Memorandum of Understanding (MoU) is entered into by and between Mahatma Gandhi University of Medical Sciences and Technology (MGUMST) and University of Peradeniya (UoP) to recognize their strengths in research and education in one or more disciplines of Dental sciences, engineering and management and their mutual interest in engaging themselves in academic cooperation.WHEREAS MGUMST and UoP agree to establish a programme for academic cooperation in areas of mutual interest in accordance with terms and conditions set forth in this memorandum of understanding (MoU). UOP and MGUMST hereinafter sometimes jointly referred to as the "Parties and singularly as a "Party"

1. MGUMST and UoP agree to,
   a. exchange information on research and educational programmes,
   b. exchange information on teaching, learning material and other literature relevant to their educational and research programmes,
   c. jointly organize short-term continuing education programmes on topics of mutual interest and to invite each other's faculty to participate therein,
   d. jointly organize seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein,
   e. jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other's faculty to participate therein,
   f. exchange, on a reciprocal basis, faculty and students for limited periods for purpose of education and for research.
2. MGUMST and UoP agree that detailed terms and conditions that guide each activity identified above if required, will be separately agreed upon by the two institutions by signing the implementing agreement for each activity. These terms shall include a description of the proposed activity and financial arrangements.
3. The Department of Prosthetic Dentistry of the Faculty of Dental Sciences, University of Peradeniya will coordinate the activities under this on behalf of UoP and each institution shall appoint the member named herein to coordinate the programme on its

Figure. First page of the MoU – University of Peradeniya

2. International Diabetes Federation (IDF) Congress 2025

Date: 7–10 April 2025

Venue: Bangkok, Thailand

Level: International

Name of Event: International Diabetes Federation (IDF)

Introduction

The International Diabetes Federation (IDF) Conference 2025 took place in Bangkok from April 7–10, bringing together leading minds in diabetes research and care. Representing the Department of Medicine at MGUMST, **Dr. Puneet Rijhwani** and **Dr. Pradeep Agarwal** had the opportunity to share research findings and connect with professionals from around the world. It was a proud moment and a valuable experience filled with learning, exchange of ideas, and inspiration for future innovation in diabetes care.

Academic Activities / Highlights

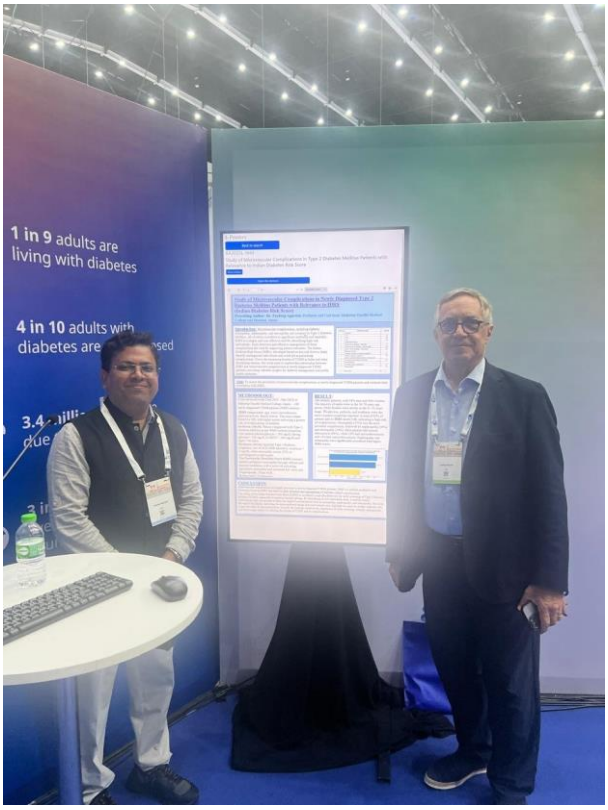
Academic activities included an **e-poster session**. Abstract ID **BA2025L-1940:** "Pulmonary Function Abnormalities in Patients with Type 2 Diabetes Mellitus".

Relevance to SDG 17

Presenting MGUMST research at an international congress and engaging with global diabetes professionals contributes to knowledge exchange and international research networks.



Delegates standing in front of an e-poster display at the congress



Delegates at the e-poster display, IDF Congress 2025



IDF 2025 Bangkok congress backdrop

MAHATMA GANDHI UNIVERSITY of MEDICAL SCIENCES & TECHNOLOGY JAIPUR

3. Visit of Dental Undergraduate Students from the University of Toulouse, France

Date: July 2025

Venue: Mahatma Gandhi University of Medical Sciences and Technology (MGUMST), Jaipur

Name & Level of Event

Visit of Dental Undergraduate Students from the University of Toulouse, France, to Mahatma Gandhi University of Medical Sciences and Technology (MGUMST), Jaipur.

Background / Introduction

The visit brought dental undergraduate students from the University of Toulouse to MGUMST, Jaipur, for an academic and interactive exchange. The programme included exposure to dental undergraduate teaching, the university campus, the Blood Bank and the Genetic Laboratory. It provided an opportunity to share educational practices and strengthen international academic interaction in dental education.

Organizing Institution

Mahatma Gandhi University of Medical Sciences and Technology, Jaipur, with participation from the university's dental teaching faculty and students.

Inauguration / Introduction to the Visit

The visit was welcomed by the university team and included a group interaction with faculty members. The account expresses thanks to the management of MGUMST, Vice Chancellor Dr. Akhil Gulati, Pro Vice Chancellor Dr. V. K. Kapoor, Principal of Dental College Dr. Narendra Padiyar, Dr. Ram Mohan Jaiswal, and the Student Council for facilitating the interactive event.

Participants & Academic Facilitators

Participants included visiting dental undergraduate students from the University of Toulouse, France, and faculty/staff members of MGUMST. University representatives named: Dr. Akhil Gulati, Vice Chancellor; Dr. V. K. Kapoor, Pro Vice Chancellor; Dr. Narendra Padiyar, Principal, Dental College; and Dr. Ram Mohan Jaiswal.

Academic Activities / Highlights

The visit included an interactive session on dental education and a tour of the university campus. The photographs document a group photograph with faculty and visiting students, a visit to a laboratory/clinical teaching area, discussion with faculty, and viewing of student-created educational displays. The account specifically notes exposure to dental undergraduate teaching, the Blood Bank, and the Genetic Laboratory.

The exchange encouraged dialogue between students and faculty, observation of teaching and laboratory facilities, and sharing of academic experiences across institutions.

Outcomes / Learning Points

- Promoted international academic interaction between MGUMST and the University of Toulouse.
- Provided visiting students with exposure to dental undergraduate teaching and university facilities.
- Encouraged discussion and exchange of educational practices among students and faculty.
- Highlighted the role of campus and laboratory visits in broadening students' academic experience.

Relevance to SDG 17

The visit is a direct example of partnership between MGUMST and an overseas university, supporting cross-cultural learning and engagement in dental education.



Figure 1. Group photograph of visiting University of Toulouse students and MGUMST faculty.



Figure 2. Interaction and visit to a laboratory/clinical teaching area.



Figure 3. Faculty discussion with visiting students and viewing of educational displays.

Conclusion

The visit of dental undergraduate students from the University of Toulouse to MGUMST, Jaipur, provided a valuable opportunity for international academic exchange. Through faculty interaction and exposure to teaching, laboratory and campus facilities, the programme supported cross-cultural learning and strengthened engagement in dental education.

4. ASSA–IOSSMA ASEAN 2025: International Orthopaedic & Sports Medicine Congress

Date: 26–28 August 2025

Venue: Meru Sanur Hotel, Bali, Indonesia

Name & Level of Event

ASSA–IOSSMA ASEAN 2025 was an international congress bringing together specialists in sports medicine, arthroscopy, and orthopaedics. The event note identifies participation in the 13th Annual Meeting of the ASEAN Society for Sports Medicine and Arthroscopy–Indonesian Orthopaedic Society for Sports Medicine and Arthroscopy, alongside related international cartilage and joint-preservation activities.

Background / Introduction

Sports medicine and arthroscopy involve evolving approaches to joint injuries, cartilage lesions, and preservation of function in active individuals. The congress provided a platform for international exchange, keynote lectures, specialty sessions, panel discussions, and expert collaboration focused on clinical assessment and treatment options.

Organizing / Professional Societies

The material refers to the ASEAN Society for Sports Medicine and Arthroscopy (ASSA) and the Indonesian Orthopaedic Society for Sports Medicine and Arthroscopy (IOSSMA). The event note also mentions collaboration with the Indian Cartilage Society and related cartilage regeneration and joint-preservation activities.

Academic Participation / Contributions

According to the event note, the participant contributed to the congress through a keynote lecture, specialty session lectures, a patella cartilage lesion session, and an osteochondral cylinder transplantation session for cartilage lesions. The note further states that abstracts would be published as supplementary material in the Orthopaedic Journal of Sports Medicine (OJSM).

Keynote / Session Topics

- Keynote lecture: Decision Making in Cartilage Lesions of the Knee.
- Specialty session lectures on cartilage-related clinical topics.
- Patella cartilage lesions.
- Osteochondral cylinder transplantation for cartilage lesions.

The conference screen also shows a plenary session on 28 August 2025, including a lecture titled “Decision-making in Cartilage Lesion of the Knee,” attributed to Rajat Jangir, and other talks related to knee osteotomy, pain after ACL reconstruction, and surgical decision-making.

Academic Highlights

- International expert exchange in sports medicine, arthroscopy, and orthopaedic surgery.

- Discussion of assessment and treatment options for cartilage lesions in clinical practice.
- Sessions on patellar cartilage lesions and osteochondral transplantation techniques.
- Plenary presentations addressing knee surgery and sports-related injuries.
- Professional networking and collaboration with international colleagues.

Organizing Team / Acknowledgements

The event note expresses gratitude to the organizing team led by Dr. G. Ghuna and Dr. U. Uteyo (President, IOSSMA), Dr. Wayan Murjana (Meeting Chairman), and Dr. Aldo Fransiskus M. (Scientific Coordinator). It also thanks Dr. Ardy Labus for hospitality. These names are transcribed from the supplied text and should be checked against the official programme for exact spelling.

Outcomes / Learning Points

- Strengthened understanding of contemporary clinical decision-making in knee cartilage lesions.
- Provided opportunities to share clinical experience and discuss specialized cartilage-preservation approaches.
- Encouraged international collaboration in sports medicine and orthopaedic research.
- Supported dissemination of academic abstracts through the stated OJSM supplementary publication plan.

Relevance to SDG 17

Contributing keynote and specialty lectures at a congress organised by international professional societies strengthens cross-border academic networks and knowledge sharing.The photographs show the congress stage and group of speakers, a presentation titled “Decision Making in Cartilage Lesions,” and a plenary-session schedule displayed on the main screen.

Honored to be a part of the ASSA–IOSSMA [ASEAN Society for Sports Medicine and Arthroscopy-Indonesian Orthopaedic Society for Sports Medicine and Arthroscopy] Congress 2025 🙏

I had the privilege of contributing through:

- 🔑 Keynote Lecture – Decision Making in Cartilage Lesions of the Knee
- 🔑 Specialty Session Lectures –
- ✔ Patella Cartilage Lesions
- ✔ Osteochondral Cylinder Transplantation for Cartilage Lesions

📖 Delighted that my abstracts will also be published as supplementary material in the Orthopaedic Journal of Sports Medicine (OJSM).

Grateful to the organizing team led by Dr. Ghura A. Utoyo (President IOSSMA), Dr. Wayan Muriana (Meeting Chairman), and Dr. Aldo Fransiskus M. (Scientific Coordinator) for the warm hospitality and an enriching academic exchange.
Returning with wonderful memories, knowledge, and collaborations! ✨

Thank you dear friend Andry Lubis for the hospitality.

#ASSA2025 #IOSSMA2025 #CartilageRepair #SportsMedicine #Orthopaedics
ICRS 2023 World Congress Indian Cartilage Society International Cartilage Regeneration & Joint Preservation Society ICRS



Figure 1. Group photograph of speakers and participants on the ASSA–IOSSMA ASEAN 2025 stage.



Figure 2. Academic presentation on decision-making in cartilage lesions of the knee.



Figure 3. Plenary Session 1 programme displayed on the conference screen on Thursday, 28 August 2025.

Conclusion

ASSA–IOSSMA ASEAN 2025 provided an international platform for professional exchange in sports medicine, arthroscopy, and cartilage preservation. The materials document contributions through keynote and specialty sessions, with a focus on clinical decision-making in cartilage lesions of the knee.

5. International Collaboration through Intellectual Property

MGUMST faculty file patents, design registrations, and copyrights jointly with partners and have secured nine design registrations in the United Kingdom. The records below are taken from the University's intellectual property register and show shared creation and protection of knowledge, which supports the technology and innovation partnerships called for under SDG 17.

5.1 Registrations in the United Kingdom

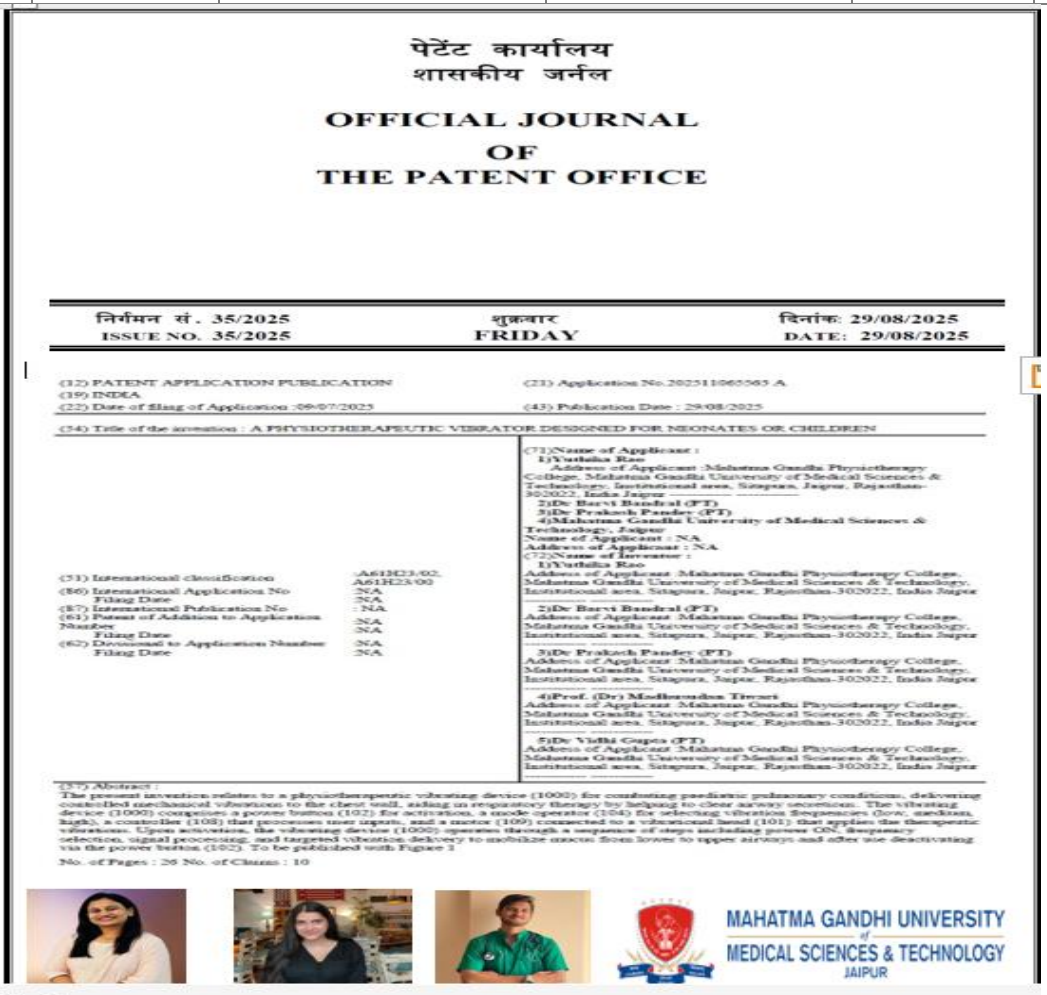
S.No	Application / Registration No.	Title	Inventor / Applicant	Status	Filed
1	6468943	AI-powered orthodontic computer device for accurate treatment planning and monitoring	Dr. Mridula Trehan	Published (UK IPR 6468943)	29/08/2025
2	6486707	Micro infrared emitting lamp for intraoral Oral use	Dr. Amrita Kumari, Dr. Narendra Padiyar	Published (UK IPR 6486707)	18/11/2025
3	6482354	Portable Dental Ultrasonic Scaling Device	Dr. Amrita Kumari, Dr. Narendra Padiyar, Dr. Bharthi Padiyar	Published (UK IPR 6482354)	28/10/2025
4	6468483	AI – Enabled Intraoral Camera for Oral Health Assessment	Dr. Amrita Kumari	Published (UK IPR 6468483)	28/08/2025

5.2 Summary of all IP records

S.No	Category	Records
1	Patents – MGUMST as Applicant	32
2	Patents – MGUMST as Co-applicant (with partners)	25
3	Patents – MGUMST faculty affiliation	19
4	Design Registrations – MGUMST as Applicant	29
5	Design Registrations – MGUMST as Co-applicant	18
6	Design Registrations – MGUMST faculty affiliation	27
7	Copyrights – MGUMST as Applicant	10
8	Copyrights – MGUMST as Co-applicant	46
9	Copyrights – MGUMST faculty affiliation	20
	Total	226

5.3 Patents – MGUMST as Co-applicant (with partners)

S.No	Application / Diary No.	Title	Inventors / Applicants	Status (grant no.)	Filed
1	202511008567	An Oral And Maxillofacial Rehabilitation Kit And A Method To Use Thereof	Dr. Vidhi Gupta, Vivek Gupta, Dr. Madhusudan Tiwari, Dr. Yuthika Rao, Lubhavni Gaur	Published	02/02/2025
2	202511065130	A PORTABLE WAX PACK- A PHYSIOTHERAPY DEVICE & METHOD OF USING THEREOF	Madhusudan Tiwari, Prakash Oandey, Dr. Shagun Agarwal, Dr. Yutika Rao, Dr. Vidhi Gupta, Bharvi Bandral	Published	08/07/2025
3	202511065565	A PHYSIOTHERAPEUTIC VIBRATOR DESIGNED FOR NEONATES OR CHILDREN	Yuthika Rao; Dr Barvi Bandral; Dr Prakash Pandey, Dr. Madhusudan Tewari, Dr. Vidhi Gupta	Published	09/07/2025
4	202511080554	A RUBBER DAM CLAMP WITH INTEGRATED MAGNIFICATION AND ILLUMINATION FOR POSTERIOR DENTAL PROCEDURES	DR.AVICHAL MINA; DR.GAURANG MATHUR; DR.APOORVA MATHUR; DR.PRAGATI KAURANI	Published	25/08/2025
5	202511084636	A ROTATABLE BONE GRAFT DELIVERY SYSTEM FOR ENHANCED SURGICAL PRECISION	Dr. Amrita Kumari; Dr. Ashish Yadav; Dr. Nitin Goyal	Published	05/09/2025



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(57) Abstract :
The present invention relates to a physiotherapeutic vibrating device (1000) for combating paediatric pulmonary conditions, delivering controlled mechanical vibrations to the chest wall, aiding in respiratory therapy by helping to clear airway secretions. The vibrating device (1000) comprises: a power button (102) for activation; a mode operator (104) for selecting vibration frequencies (low, medium, high); a controller (108) that processes user inputs and a motor (109) connected to a vibrational head (101) that applies the therapeutic vibrations. Upon activation, the vibrating device (1000) operates through a sequence of steps including power ON, frequency selection, signal processing, and targeted vibration delivery to mobilize mucus from lower to upper airways and offers use deactivating via the power button (102). To be published with Figure 1

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PATENT ON A PHYSIOTHERAPEUTIC VIBRATOR DESIGNED FOR NEONATES OR CHILDREN