



National Conference on

MedEngage: Uniting Clinicians and Engineers for Biomedical

Innovation
(MedEngage: UCEBI-2026)

18th to 19th February 2026

(Hybrid Mode)

Organized by

Department of Mechanical Engg., NIT Manipur

in association with

Dental College RIMS Imphal, and

Department of Mechanical Engg., NIT Nagaland



★ About the MedEngage: UCEBI-2026 Conference

MedEngage 2026 is a national platform designed to foster collaboration between clinicians, engineers, researchers, and innovators, all working to transform biomedical science into practical healthcare solutions. The conference highlights the crucial synergy between medical expertise and engineering innovation, bridging the gap between clinical needs and technological advancements. As healthcare becomes more data-driven, engineers bring design and technological skills, while clinicians provide insights into human health and patient needs. This partnership drives progress in diagnostics, treatment, and rehabilitation. MedEngage 2026 features keynote lectures, technical sessions, and workshops, showcasing innovations like AI in healthcare, wearable biosensors, medical robotics, and digital therapeutics. The event promotes collaboration, ethical responsibility, and translational impact, inspiring the next generation of biomedical pioneers. More than a conference, it represents a movement to unite engineering rigor with medical insight, advancing a shared vision for a healthier, smarter, and technology-driven future.

★ About National Institute of Technology Manipur

Established in 2010, NIT Manipur is an Institute of National Importance under the Ministry of Education, aiming to expand quality technical education in Northeast India. Located in Imphal, it offers B.Tech, M.Tech, and Ph.D. programs in engineering and science. The curriculum, aligned with NEP-2020, combines theory, practical labs, and industry training. NIT Manipur supports research in areas like AI, renewable energy, and biomedical applications through projects from DRDO, MEITY, and UGC-DAE. The Training and Placement Cell (TPC) ensures strong placements with companies like Infosys, Wipro, IBM, and L&T, preparing students through workshops, interviews, and internships. The institute promotes innovation through IEEE conferences and student programs.

★ About Department of Mechanical Engineering- NIT Manipur

The Mechanical Engineering Department at NIT Manipur, established in 2013, offers B.Tech, M.Tech (Thermal & Fluids Engineering), and Ph.D. programs. Focused on academic excellence and innovation, the department emphasizes hands-on learning, interdisciplinary research, and sustainable technology. Equipped with state-of-the-art labs, it covers areas like thermal systems, fluid mechanics, and manufacturing. Faculty members lead cutting-edge research funded by government agencies. The curriculum aligns with NEP to ensure relevance, while fostering a collaborative, multicultural environment. The department aims to develop skilled engineers and researchers who contribute to industry and academia, shaping future leaders in engineering and technology.

★ About Dental College, RIMS

Dental College, RIMS, Imphal, established in 2012 under the Regional Institute of Medical Sciences, offers a Bachelor of Dental Surgery (BDS) program. Affiliated with Manipur University and recognized by the Dental Council of India, the college is located

on a 300-acre campus in Lamphelat, Imphal. It features modern lecture halls, labs, and clinics with advanced equipment, providing hands-on experience through an attached hospital treating diverse patient cases. The college also offers hostel accommodation, sports facilities, and a library. With clinical departments in specialties like Oral Medicine & Radiology, Conservative Dentistry & Endodontics, Prosthodontics, Oral Surgery, Periodontology, Paedodontics, Orthodontics, and Public Health Dentistry, it focuses on both academic excellence and practical training for dental professionals.

★ About Regional Institute of Medical Sciences (RIMS), Imphal

Established on September 14, 1972, the Regional Institute of Medical Sciences (RIMS), Imphal, is a key institution for medical education in Northeast India. Affiliated with Manipur University, it offers undergraduate and postgraduate programs in medical, dental, and nursing fields. In 2007, RIMS was transferred to the Ministry of Health and Family Welfare, Government of India, from the North-Eastern Council. The highest decision-making body is the Board of Governors, headed by the Union Ministry of Health and Family Welfare, with the institute's Director as Secretary. Management is also overseen by the Executive Council, chaired by the Secretary of the Ministry of Health.

★ About National Institute of Technology NIT Nagaland

National Institute of Technology Nagaland (NIT Nagaland), established in 2009, is one of the ten new NITs approved by the Government of India under the 11th Five-Year Plan. It began operations in 2010 under the mentorship of NIT Silchar and initially functioned from its campus for two years. In January 2012, land was identified for its permanent campus at Chumukedima near Dimapur, Nagaland, with the first academic session commencing on September 20, 2012. The 291-acre campus was transferred by the Government of Nagaland, with existing buildings refurbished and new prefabricated structures built for classrooms, laboratories, and hostels. The infrastructure includes specialized labs for Physics, Chemistry, Electrical Machines, and Power Systems.

★ About Department of Mechanical Engineering, NIT Nagaland

The department of Mechanical Engineering of NIT Nagaland is focussed in producing quality Engineers who will play vital roles in various aspects of our society. The Department is determined in imparting the best quality education to its students in obtaining theoretical as well as practical knowledge in its various subjects. Additionally, the student's will be taught subjects for moulding their communication and aptitude skills. Lastly, the Department also aims in producing students who will extend their contribution in the fields of research.

★ Conference Objectives

- ❖ To promote collaboration between healthcare professionals and engineers in solving real-world medical challenges.
- ❖ To showcase cutting-edge biomedical research and innovations across academia and industry.
- ❖ To provide a platform for young researchers and students to present their work and engage with experts.
- ❖ To discuss the future of healthcare technologies, including AI, medical devices, robotics, and digital health.

★ Who Should Attend

- Engineers who are working in Medical and Biomedical
- Medical Practitioners & Clinicians
- Biomedical & Electronics Engineers
- Researchers & Academicians
- Healthcare Entrepreneurs & Start-ups
- Medical Device Manufacturers
- Students from Medicine, Engineering, and Life Sciences

CONFERENCE VENUE: RIMS DENTAL COLLEGE

★ Address of Correspondence

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Conference Co-Convenor - MedEngage-2026

★ Dr. Wairokpm Bhoomika Devi
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Dental College, RIMS-Imphal-795004.

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✓ Call for Papers

MedEngage: UCEBI-2026 is now accepting original abstract/Case Studies/Reviews articles/project reports, submissions for oral, poster, Models presentations. The abstract and paper templates are given in the website's download section. Selected abstracts will be considered for publication in Souvenir and Full paper in the conference proceedings in the MedEngage UCEBI-2026 -2026 Proceedings (with ISBN).

Click the link below to register or scan the QR code.

<https://forms.gle/3W9wLQcUMybak91z7>



IMPORTANT DATES

Abstract Submission	Open now
Abstract Submission Deadline	7 th February, 2026
Acceptance of Abstract	10 th February, 2026
Payment of online Registration	12 th February, 2026
Full Paper Submission Deadlines (post conference)	20 th February, 2026.

REGISTRATION FEES

Participants	Registration fees			
	Indian (INR)		Foreign (USD)	
	Physical	Virtual	Physical	Virtual
Students/Scholars (U.G/PG/PhD/BDS/MDS/MBBS/Post Docs/Medical Internships)	1500	1000	150	100
Academic delegates	2500	2000	250	150
Hospitals/Industry delegates	4000	3000	350	200
Research organization	5000	4000	300	250
Accompanying person fee	1500		150	

**Registration Fees is inclusive of GST.

*Registration to the conference includes participation in all conference sessions, conference kit, softcopy souvenir, proceedings and two day Lunch with High Tea.

Mode of Payment & Registration

Payment may be made using online transfer in favour of

"Director NIT Manipur IRG"

Payable at Bank of Baroda,

NIT Manipur Branch

Account No.: 60330100000143,

IFSC: BARBONITMAN.

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Dr. Ashish Kumar	Head, Periodontology, Dental College, RIMS, Imphal

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Some Tourist places to visit in Manipur



Kangla Fort



Imphal War Cemetery



Khongjom War Memorial



Loktak Lake



Manipur State Museum

CONFERENCE THEMES

The conference will focus on the following themes but not limited to

- 3D printing in Biomedical applications
- Applications of AI in Biomedical applications
- Robotics & AI in Health Care
- AI-based signal processing
- IoT in healthcare
- Wearable diagnostics
- Smart sensors
- Biomedical Sensors for early disease detection
- Advance Dental technologies
- Recent Dental materials
- Minimally Invasive Dentistry
- AI & Digital Dentistry
- Tele dentistry
- Biomaterials & Regenerative Dentistry
- Preventive Dentistry Innovations
- Implantology Trends
- Dental trauma
- Sports related dental injuries and prevention
- Biomedical Engineering
- Laser & Photo biomodulation Therapy
- Infection Control & Safety Updates
- Advanced Biomaterials and Nanomaterials
- Dental Applications
- Wound healing and skin tissue repair
- Cardiovascular Applications
- Ophthalmic Applications
- Neural Applications
- Cancer treatment Technologies
- Bio-printing
- Innovations in Tissue Scaffold Production
- Pharmacovigilance and Drug Safety
- Personalized Medicine
- Emerging Technologies in Pharmacy
- Clinical Pharmacy Practice
- Pharmaco economics
- Public Health Initiatives
- Nutraceuticals and Dietary Supplements
- Regulatory Affairs and Policy
- AYUSH and Community Medicine
- Indigenous Healing Practices
- Preventive and Social Medicine
- Rural/Urban Primary Care and Quality
- Advancements in Orthopedic
- Physical Medicine & Rehabilitation
- Sports medicine
- Orthopedic Rehabilitation
- Injury prevention
- Surgical techniques
- Physical therapy
- Clinical research
- Biomechanics
- Patient care
- Translational Research
- Laboratory Innovations
- Surgery Rehabilitation
- Sports Injury Rehabilitation
- AI in sports, Mental Wellness and Performance
- Pain Management
- Geriatric fitness, yoga
- Orthopaedics & Surgery
- Sports Physiotherapy
- Wearable Technology and Health monitoring
- Tissue Engineering and Regenerative Medicine
- Telemedicine and Remote Patient Monitoring
- Challenges in Interdisciplinary Research
- AI in diagnostics,
- Innovative Rehab Devices
- ENT (Otolaryngology)
- Genetics & Molecular Biology
- Community Medicine
- Computational and Behavioural in Health care
- One Health
- Ethno Medicines
- Integrative Systems
- Ageing
- Mental Health in Post-pandemic Societies
- Mental Health in Nursing
- Digital Technology in Mental Health
- AI in Public Health
- Food Cultures and Nutrition
- Digital Health and Telemedicine
- Industry Pharm