



MEDHA 2023

MEDICAL DEVICE HACKATHON

Link to PRE-REGISTER
by

23rd April 2023



Team
Formation

Problem
Definition

Concept &
Prototyping

Pitch to
Jury Panel

- Hosts:**
- MGM School of Physiotherapy, Navi Mumbai, (MGMSOP NM), MGMIHS
 - MGMIHS Innovation and Incubation Centre.
- Co-hosts:**
- MGM College of Engineering and Technology (MGM CET)
 - Pillai College of Engineering, Navi Mumbai (PCE)

Stage-I: 20th May to 28th May, 2023

Venue: MGM School of Physiotherapy, Navi Mumbai

MGM Centre of Human Movement Sciences, Vashi, NM

Stage-II: 10th June, 2023

Venue: BETiC Labs, IIT Bombay



To Register

Contact: events@betic.org

Visit www.betic.org > Events > MEDHA to pre-register before 23rd April 2023

Selected candidates will be informed via e-mail, after which a non-refundable fee of ₹1000 is to be paid before 30th April 2023 to confirm the seat

Highlights of the event

- First-hand experience in collaborative medical device innovation
- Meet and work with like-minded partners through team project
- Mentored by Health Experts and Engineering Professionals
- Win awards and explore further opportunities in Health-tech fields



Patrons

Shri Kamalkishore N. Kadam, Hon'ble Chancellor, MGMIHS

Dr. Shashank D. Dalvi, Hon'ble Vice Chancellor, MGMIHS

Prof. Geeta Lathkar, Principal MGM CET, NM

Dr. Priam Pillai, COO, Mahatma Education Society

Convenor

Dr. Rajani Mullerpatan, Professor-Director, MGM School of Physiotherapy, Navi Mumbai

Dr. Raman P. Yadav, Director, MGMIHS, Incubation and Innovation Centre

Organizing Committee

Host Institute

Dr. Bela Agarwal, Professor, MGMSOPNM

Dr. Kshitija Jadhav (PT), Asst. Prof., MGMSOPNM

Dr. Victoria Kuttan (PT), Asst. Prof., MGMSOPNM

Dr. Neha Padia (PT), Asst. Prof., MGMSOPNM

Innovation Council, MGMSOPNM

Co-Host Institute

Dr. V.G. Sayagavi, Vice Principal, MGM CET

Prof. Neelam Kamthe, MGM CET

Co-Host Institute

Dr. Sandeep Joshi, Principal, PCE, New Panvel

Dr. Richa Agrawal, PCE, New Panvel



Frequently Asked Questions

- What is MEDHA?** MEDHA is a medical device hackathon bringing together interdisciplinary teams to explore medical device innovation.
- Who is organizing?** BETIC – Biomedical Engineering & Technology Innovation Centre, IIT Bombay in collaboration with several host institutes.
- What will happen?** Stage-1: Watch videos of clinical problems. Form inter-disciplinary teams. Understand & define the problem. Brainstorm novel solutions, sketch concepts. Fabricate & test a prototype. Prepare the presentation. Pitch to jury panel.
Stage-2: Final presentation at IIT Bombay along with visit to BETIC lab. Dates will be confirmed by host institutes for Stage-1, and IITB for Stage-2.
- Who can participate?** Final year UG/PG students or professionals with any of these backgrounds: Medical: Biomedical/ Medicine / Physiotherapy/ Pharma Design: Industrial Design/ Product Design/ Visual Arts Engineering-I: Mechanical/ Manufacturing/ Materials/ Chemical Engineering-II: Electronics/ Instrumentation/ Software
- Individuals or teams?** Each team will have four members, one each of above backgrounds. Ideally at least one of them with professional industry or entrepreneurship experience.
- Is there a selection?** Interested candidates need to pre-register. They will be requested to mail their biodata & portfolio, based on which they will be short-listed and selected.
- Prizes & Opportunities?** All teams presenting working prototypes will win prizes. Top innovators may be invited for advanced training at IIT Bombay and to apply for fellowships.
- How can I register?** Contact: events@betic.org.
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BETiC Partners

MUHS, Nashik | MSINS, Mumbai | Venture Center, Pune
IIT Bombay: SINE | TIH-IoT | WRCB || COE Pune | VNIT Nagpur