



MEDHA 2023

MEDICAL DEVICE HACKATHON

Link to PRE-REGISTER
by

23rd April 2023



**Team
Formation**

**Problem
Definition**

**Concept &
Prototyping**

**Pitch to
Jury Panel**

HIGHLIGHTS

- First-hand experience in collaborative medical device innovation
- Meet and work with like-minded partners through team project
- Mentored by medical experts and engineering professionals
- Win awards and explore further opportunities in med-tech field

KEY DATES

Stage-1 (Host Institutes): **6 - 28 May 2023** (Two weekends)

Stage-2 (IIT Bombay): **10 June 2023**

PARTNERS

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

HOST INSTITUTES (Select any one)

- JSS Mysore (6-14 May)
- LPU Phagwara (6-7 May)
- MIT Aurangabad (6-14 May)
- AIIMS-IIT Jodhpur (13-21 May)
- MIT ADT Pune (13-21 May)
- SHSRC, iHub Ahmedabad (13-21 May)
- YMC Mangalore (13-21 May)
- DMIMS Wardha (20-28 May)
- GHRCE Nagpur (20-28 May)
- KJSCE Mumbai (20-28 May)
- SCEI Pune (20-28 May)
- SIBDS-IIBC IIT Guwahati (20-28 May)
- School of Physiotherapy, MGMIHS Navi Mumbai (20-28 May)

Have an idea for a new medical device? Let's explore together!

www.betic.org | events@betic.org



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What is MEDHA?

MEDHA is a medical device hackathon bringing together inter-disciplinary 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.
Visit www.betic.org > Events > MEDHA to pre-register before 23 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.