# MEDHA 2023

## MEDICAL DEVICE HACKATHON

| 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 (6-14 May)
- MIT Aurangabad (6-14 May)
- AIIMS-IIT Jodhpur (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)

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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.