



BETIC, IIT Bombay presents
6th Medical Device Innovation Camp
Bring Your Ideas to Life!

eMEDIC2021
2-24 October 2021 (only weekends)

For Med-tech innovators | Aspiring entrepreneurs | Start-up founders | R&D/ Incubation managers

HIGHLIGHTS

- Intensive training program in medical device innovation
- Expert faculty, mentors and industry professionals
- Smart blended experiential learning (online and offline)
- Inter-disciplinary team project and presentation to jury

OUTCOMES

- Knowledge of medical product development process
- Immediate application through medical device project
- Networking with experts and diverse team members
- Opportunity for high-value prizes and fellowships

KEY DATES

- 17 Sep: Pre-registration deadline
- 30 Sep: Registration & fee payment
- 02 Oct: Inauguration of eMEDIC
- 24 Oct: Conclusion of eMEDIC

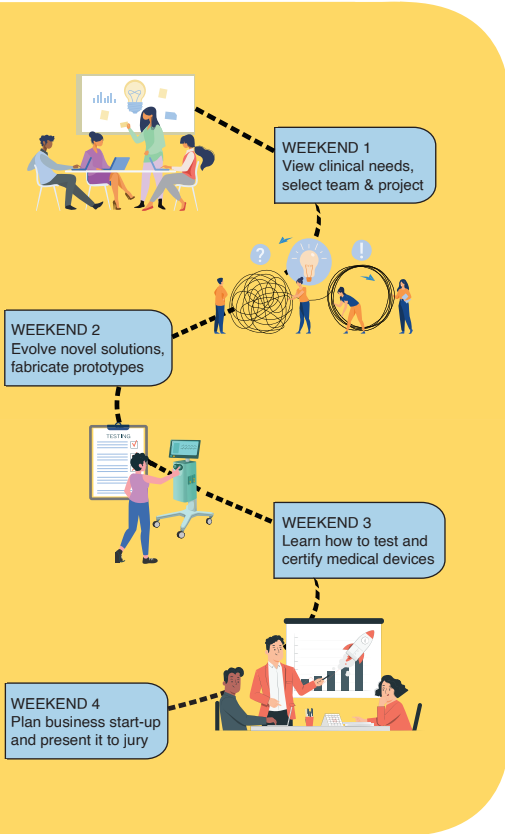
CONTACT

E-mail: events@betic.org

Website: www.betic.org

PARTNERS

COE Pune | VNIT Nagpur | KJSCE Vidyavihar | MITADT Pune | MITG Aurangabad | GTU Ahmedabad | GHRCE Nagpur | SDMU Dharwad
GMC & JH Mumbai | HITRT Mumbai | JHRC Mumbai | MGMIHS Navi Mumbai | BJMC Pune | BKLWRH Dervan | DMIMS Wardha





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KEY FEATURES

Who is it meant for?

eMEDIC is an intensive training camp for medical device innovators (including clinicians), start-up founders, aspiring entrepreneurs, med-tech R&D managers, innovation & incubation mentors and other stakeholders working in healthcare sector.

Time commitment?

The camp is organized online over four weekends. On Saturdays, there will be expert lecture sessions in the morning and interactions in the afternoon, including virtual visits to BETIC labs. On Sundays, participants are expected to work on their team projects.

What are team projects?

Clinical problem videos from expert doctors will be shown. Inter-disciplinary teams will be formed. They will brainstorm ideas, evolve concepts and fabricate prototypes using locally available materials. BETIC mentors will provide the necessary guidance.

Who can participate?

Working professionals / final year UG/PG students with any of these backgrounds:

Medical: Biomedical / Medicine / Physiotherapy / Pharma

Design: Industrial Design / Product Design / UI & UX Design

Engineering-I: Mechanical / Manufacturing / Materials / Chemical

Engineering-II: Electronics / Instrumentation / Software

Teams of four will be formed on the first day of the Camp with at least one each of above backgrounds. At least one of them must have industrial or entrepreneurship experience.

Is there a selection?

Yes, interested candidates need to pre-register. They will be short-listed based on their biodata and portfolio of creative work, then interviewed and selected.

Prizes & opportunities?

Industry Track: Top ideas (drug-devices) can be funded for further development and commercialization by Pharma Industry (up to Rs. 50 lakh).

Entrepreneurship Track: Top candidates (all other devices) can opt for BETIC fellowships leading to their own start-ups (total value up to Rs. 50 lakh).

How can I register?

Contact: events@betic.org. Visit www.betic.org > Events > eMEDIC to pre-register.

Deadline: 17 September 2021. Selection details will be communicated via e-mail.

Cost: Rs. 5000 (for prototype fabrication), to be committed after selection in the Camp.



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SCHEDULE

Day, Date	Lecture Session (10:00-13:00)	Interaction (15:00-18:00)
Sat, 2 Oct	Need Definition: Healthcare; Medical devices; Global med-tech industry; Market pull & technology push; 4D Innovation Process; Innovation team formation; Domain familiarization; Clinical immersion; Problem definition	Doctors Videos: Clinical problems and team formation
Sun, 3 Oct	Team project: Problem definition & specifications (offline)	
Sat, 9 Oct	Product Development: Concept evolution; Concept selection; Proof-of-concept & feedback; Product configuration; CAD, simulation & validation; Plastic, metal and electronics prototyping; Design verification	Virtual Visits: BETIC Labs - IITB, COEP & VNIT
Sun, 10 Oct	Team project: Concept design, Product design, CAD modelling (offline)	
Sat, 16 Oct	Product Delivery: Biocompatible materials; Medical-grade manufacturing; Quality system; Risk, failure modes & effects; Regulatory pathway; Pre-clinical lab testing; Human clinical studies; Manufacturing license	Expert FAQ: Medical device manufacturing & testing
Sun, 17 Oct	Team project: Basic prototype fabrication, preliminary testing (offline)	
Sat, 23 Oct	Product Deployment: Patent filing & IPR; Technology value and licensing; Business venture & partners; Startup company incubation; Supply chain & distribution channel; Funding avenues; Proposal pitching; Future roadmap	Expert FAQ: Patenting, marketing & startup finance
Sun, 24 Oct	Team project pitching: Problem, solution, prototype & business plan.	Announcement of prizes

Time commitment and team project: Participants need to commit four Saturdays for live online sessions (lectures in the morning and interactions in the afternoon). On Sundays, they can work at own pace on the respective team projects. The fourth Sunday is for pitching to a jury panel of clinical, technical and business experts. Prototypes are to be fabricated using locally available materials at participants' own cost. Team project will get affected if any members leave the Camp mid-way. BETIC mentors will be available to guide the teams as required. The entire event will be organized using virtual platforms like Zoom.