



MEDHA

2026

MEDICAL DEVICE HACKATHON AND CONFERENCE

Bring Your Ideas to Life!



Connect with doctors and engineers committed to affordable healthcare through medical device innovation.



Identify & define unmet medical need create innovative solutions concepts fabricate prototypes and pitch to jury.



Explore attractive opportunities for further product development along with fellowships and expert mentoring

Phase Details

Phase I: JSS College of Pharmacy, Mysuru

·Team Formation: 17th September 2026

·Clinical Need Evaluation: 24th September 2026

Phase II: IIT Bombay, Mumbai

·Finale: October November 2026



International
Institute of Information
Technology Bangalore



What is MEDHA?

MEDHA is a Hackathon that brings together interdisciplinary teams to explore Medical Device innovation.

Who is Organizing?

BETIC – Biomedical Engineering and Technology Innovation Centre, IIT Bombay, in collaboration with Department of Pharmaceutics, JSS College of Pharmacy, Mysuru, ITTO JSSAHER, SPARKLE Cine, IIIT Bengaluru and NAIN 2.0.

17/09/2026

What Will Happen?

Morning

Team formation | Need validation | Problem definition

Afternoon

Scientific and Technical Sessions | Poster presentation

24/09/2026

Evaluation of clinical need | Solution development
Proof of principle/ concept

October - November 2026

·Project pitching to an eminent jury Panel at IIT Bombay.

Phase I: MEDHA

MEDHA will cover the initial stage of Medical Device development and will focus on identifying unmet clinical needs, developing innovative solution concepts, and demonstrating proof of principle/proof of concept.

Phase II: MEDIC

The winning teams from all MEDHA- conducting institutes, and potentially selected runner-up teams, will be given an opportunity to participate in the Medical Device Innovation Course (MEDIC).

Tentative period: October–November 2026.

MEDIC will be conducted by BETIC, IIT Bombay.

The programme will provide selected teams an opportunity to further develop their medical device innovations through the BETIC 4D Medical Device Innovation Process.

BETIC 4D Medical Device Innovation Process

DEFINE – Identify and define the unmet clinical need and formulate the problem statement.

DEVELOP– Develop and refine innovative medical device solution concepts.

DELIVER – Demonstrate and evaluate the proof of principle/proof of concept and communicate the proposed solution.

DEPLOY – Progress promising innovations towards further development and implementation.

4D

Who Can Participate?

Working professionals, final-year UG and PG students from:

- **Medical-** Biomedical/ Medicine/ Dental/ Physiotherapy/ Pharmacy/ Life Sciences
- **Design-** Industrial Design/ Product Design/ Visual Communication
- **Engineering I-** Mechanical/ Manufacturing/ Materials/ Chemical
- **Engineering II-** Electronics/Communication/ Instrumentation/ Software

Team Requirements

- Each team must have at least one member from each of the above backgrounds.
- At least one member should preferably have professional industry or entrepreneurial experience.

Selection Process

Interested candidates can register. They will be requested to submit their biodata and portfolio of innovative project work. Based on these submissions, candidates will be shortlisted, interviewed, selected, and invited to participate.

Prizes & Opportunities

- Top teams from Stage I will receive prizes and invitations to Stage II.
- Final winners will have opportunities for fellowships and support to further develop their ideas.



REGISTRATION

Deadline : 15/09/2026
Registration Fee : No Registration Fee



Scan for Registration

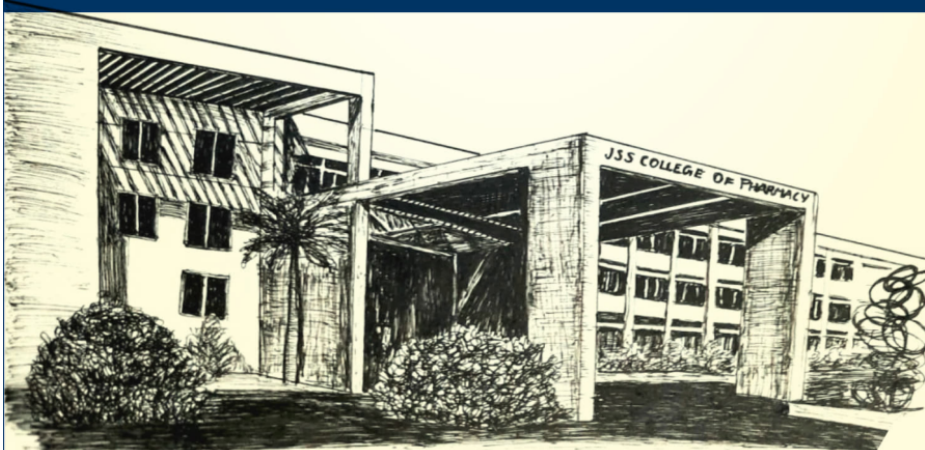
Contact

Mr Sagar G

Email: medha@jssuni.edu.in

Visit : www.jssuni.edu.in

for MEDHA 2026 registration.



JSS AHER

JSS Academy of Higher Education and Research (JSS AHER), Mysuru, established in 2008 under Section 3 of the UGC Act, is a Category-I Deemed-to-be University and part of JSS Mahavidyapeetha. Accredited by NAAC with an A⁺⁺ grade (CGPA 3.61) and recognized by the Ministry of Education, it is a premier institution focused on health sciences education and research through its medical, dental, pharmacy, and allied health colleges.

JSS College of Pharmacy, Mysuru

Founded in 1973, JSS College of Pharmacy, Mysuru, is a constituent college of JSS AHER and among India's top pharmacy institutions, ranked 7th in NIRF 2025. With NAAC A⁺⁺ accreditation, NBA recognition for B.Pharm, and PCI approval, the college offers B.Pharm, M.Pharm, Pharm.D, and PhD programs. It is known for quality education, advanced research, and strong industry and academic collaborations.

Department of Pharmaceutics, JSSCPM

The Department of Pharmaceutics offers M.Pharm programs in Pharmaceutics, Industrial Pharmacy, Pharmaceutical Quality Assurance, and Pharmaceutical Regulatory Affairs. With expertise in drug delivery, formulation development, and regulatory sciences, the department emphasises innovation, advanced research, and industry partnerships to prepare students for global pharmaceutical challenges

IIIT-Bangalore

Excellence in Academics, Research & Innovation

The International Institute of Information Technology Bangalore (IIIT-B) is a leading institution focused on technology education, advanced research, innovation, and entrepreneurship. Its interdisciplinary work spans AI, Data Science, IoT, Cybersecurity, Digital Public Infrastructure, Healthcare Technologies, and emerging digital technologies.

NAIN – New Age Innovation Network

Empowering Student Innovation Across Karnataka

NAIN is a flagship initiative of the Government of Karnataka, implemented through the Department of Electronics, IT, BT & S&T and K-Tech. It aims to build a strong student innovation and entrepreneurship ecosystem, especially across Tier-2 and Tier-3 institutions.

NAIN 2.0: From Ideas to Impact

NAIN 2.0 empowers students to transform real-world problems into impactful startups through ideation, prototyping, expert mentorship, funding, entrepreneurship, technology transfer, and market access.

IIIT-Bangalore's Role

As a Project Mentorship Unit (PMU), IIIT-Bangalore strengthens the NAIN ecosystem through project mentorship, innovation activities, networking, capacity building, and ecosystem development.



JSS
ACADEMY
OF HIGHER
EDUCATION
& RESEARCH
(DEEMED TO BE UNIVERSITY) MYSURU



INNOVATION & TECHNOLOGY
TRANSFER OFFICE

INNOVATION & TECHNOLOGY TRANSFER OFFICE (ITTO)

Research Division

JSS Academy of Higher Education & Research, Mysuru

FROM RESEARCH & INNOVATION TO TECHNOLOGY, STARTUPS & SOCIETAL IMPACT

The Innovation & Technology Transfer Office (ITTO) is the single-window platform of JSSAHER for transforming research, innovations and intellectual property into technologies, products, startups and societal impact.

WHAT ITTO ENABLES

Research & Innovation Translation

Move promising research outcomes from idea to application.

Intellectual Property Management

Support patents, copyrights, industrial designs, IP analytics and portfolio management.

Technology Assessment

Evaluate technologies through patent screening, TRL assessment, E-HTA, market assessment and valuation.

Startup & Incubation

Through Sparkle CINE, support startup creation, incubation, mentoring, prototyping and business development.

Industry & Technology Transfer

Connect researchers and technologies with industry, hospitals, investors and innovation ecosystems, while enabling licensing, partnerships, product development and commercialization.



FOR WHOM?

Faculty | Students | Researchers | Research Scholars
Clinicians | Startups | Alumni | Industries | Hospitals | Investors

ITTO – From Imagination to Realisation

Innovate. Transfer. Commercialize. Create Impact.

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www.jssuni.edu.in

Innovation | Startup | Incubation | Entrepreneurship

JSS Academy of Higher Education & Research (JSSAHER), Mysuru

FROM IDEAS TO ENTERPRISES

Sparkle CINE is the innovation, startup and incubation platform of JSSAHER, supporting entrepreneurs, startups and technology-driven innovations from idea to market. It connects students, faculty, researchers, clinicians, alumni and innovators with mentors, industry partners, investors and funding opportunities.

WHAT WE OFFER

- **Ideation & Innovation** - Transform ideas, research outcomes and real-world problems into innovative solutions.
- **Startup Development** - Convert promising technologies and ideas into viable, scalable startups.
- **Pre-Incubation & Incubation Support the journey:**
Idea - PoC - Prototype - Validation - Product - Market
- **Technology & Prototype Development** - Facilitate prototyping, validation and technology development.
- **Mentoring & Expert Support** - Connect innovators with technical experts, entrepreneurs, industry professionals and domain mentors.
- **Funding & Investor Connect** - Enable access to government schemes, grants, CSR support, seed funding, investors and innovation networks.
- **Market & Business Development** - Support business models, market validation, partnerships, regulatory pathways and commercialization.
- **Intellectual Property Support** - In collaboration with ITTO, facilitate IP protection, licensing and commercialization.



ONE ECOSYSTEM. MULTIPLE OPPORTUNITIES.

Turn Ideas into Startups
Transform Research into Products
Connect with Industry & Investors
Build & Validate Prototypes
Access Mentors
Explore Funding
Commercialize IP