



**MAY 2021**

# MTech in Medical Device Innovation

**Dept. of Biomedical engineering, IIT  
Hyderabad**

**Center for Healthcare Entrepreneurship, IIT  
Hyderabad**

**Asian Institute of Gastroenterology (AIG)  
Hyderabad**

# Preamble

- IIT Hyderabad announces a unique Master's Degree Program to foster development of world-class affordable medical devices to address the existing gap in the country. This program, M Tech in Medical Device Innovation shall be offered in association with a clinical partner, Asian Institute of Gastroenterology (AIG) Hyderabad and an Incubator partner, Center for Healthcare Entrepreneurship, IIT Hyderabad.
- It shall add impetus for scaling up of Med Tech innovations by translating Academic Research and Clinical Needs Finding into downstream commercial design and development of medical devices
- This program is for those for impact-driven students, committed to societal impact with an entrepreneurial and intrapreneurial mindset.

# Eligibility

A structured hands-on project-based program, suitable for industry professionals or healthcare professionals. The students should be eligible with a degree of:

- B Tech: Undergraduate Engineering Degree in any of the following Engineering Branches: Biomedical Engineering, Electrical Engineering, Engineering Physics, Instrumentation, Computer Science Engineering, AI, Mechanical Engineering, Biotechnology, Chemical Engineering, Design, or Material Science or similar subject areas.
- B Des
- MSc in any Discipline
- MBBS, BAMS, BHMS, BDS or any equivalent Clinical Degree

with a passion for improving the healthcare quality and conditions over the globe.

Candidates with a GATE Score only will be eligible for MOE Fellowship.

Candidates without a GATE Score can apply to the self-sponsored mode

Candidates sponsored through from Govt. Labs/ Public Sector and industry need not carry a GATE Score

# Application Process & Fee Structure

The MTech program in Medical Device Innovation has two modes of Applications

MoE Fellowship Category

Self-Sponsored Category and Govt. Lab/ Public Sector/  
Industry sponsored category

Candidates applying for the MoE Category will be shortlisted based on the GATE Score and final selection will be based on written test/interview.

The candidates applying for the Self-Sponsored and Govt. Lab/ Public Sector/ Industry sponsored category will be shortlisted based on their academic merit with CGPA of 7.0 or above or equivalent and shall be selected via written test/interview.

Fee Structure: The program under self sponsored mode has a fee structure of Rs 20,000/- per credit.

# Course Curriculum

Duration: 2 years

For further details:

Email: [renujohn@bme.iith.ac.in](mailto:renujohn@bme.iith.ac.in)

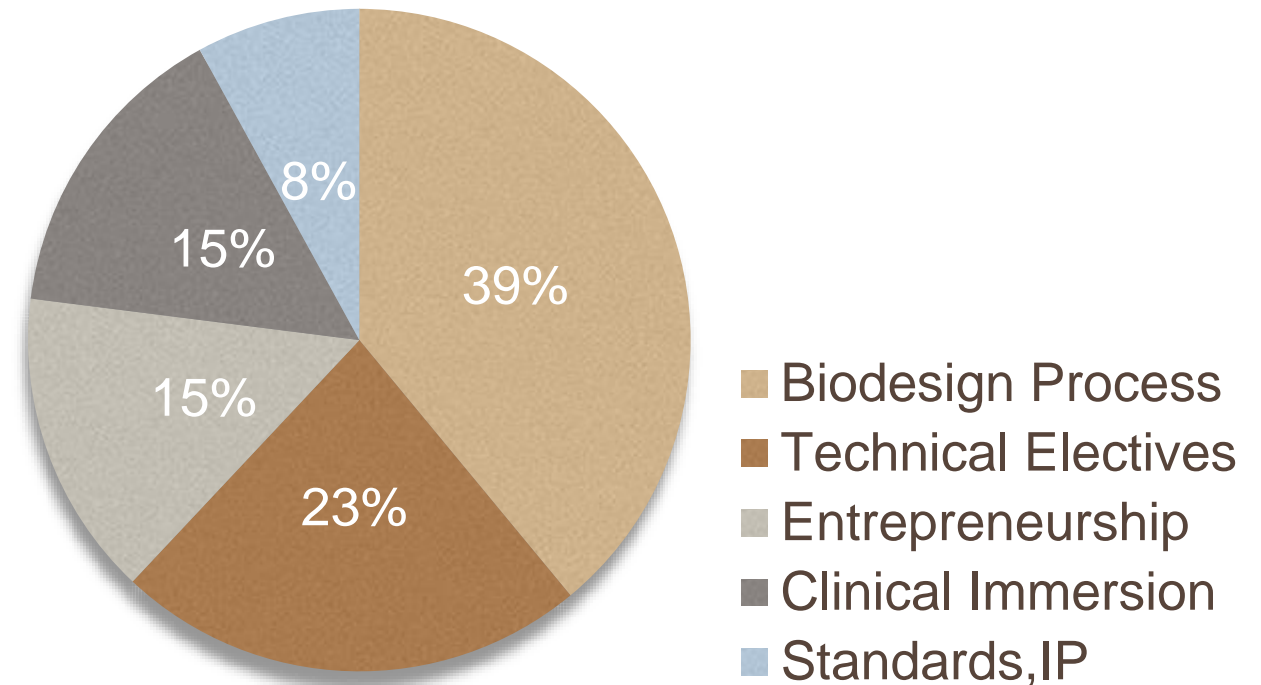
Web: <http://bme.iith.ac.in/>

## Credit requirements

50 credits of courses distributed over four semesters, namely,

- 24 credits of core and elective courses in 1<sup>st</sup> and 2<sup>nd</sup> semesters
- 24 credits of project components in 3<sup>rd</sup> and 4<sup>th</sup> semesters, 1 credit each for English communications and Industry lectures
- Candidates from Govt Labs/ industry will have provision to pursue their dissertation in their respective labs with joint guidance.

**Course curriculum distribution**



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engineering, IIT Hyderabad

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Hyderabad



Center for Healthcare  
Entrepreneurship

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- B Des
- MSc in any Discipline
- MBBS, BAMS, BHMS, BDS or any equivalent Clinical Degree

Duration: 2 years

Credit requirement: 50 credits over four semesters including:

24 credits of core and elective courses,

24 credits of project components

For further details:

Dr. Renu John

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