



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad



MAY 2026

MTech in Medical Device Innovation

Center for Interdisciplinary Programs, IIT Hyderabad
Center for Healthcare Entrepreneurship, IIT Hyderabad
Department of Biomedical Engineering, 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. The **M.Tech program in Medical Device Innovation** will be offered in collaboration with a clinical partner, Asian Institute of Gastroenterology (AIG), Hyderabad and an incubator partner, the Centre for Healthcare Entrepreneurship (CfHE), 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.

Application Categories

The MTech program in Medical Device Innovation has following categories of applications:

MTech – TA/MOE Fellowship Category

MTech - Govt. lab/Industry Sponsored Category

MTech Self-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 or equivalent and shall be selected via written test/interview.

Eligibility Criteria

MTech - TA/MOE Fellowship Category

A First-Class degree in the following:

- BE/BTech in Biomedical Engineering/Electrical Engineering or allied branches/Computer Science & Engineering, Artificial Intelligence & Data Science or allied branches/Biotechnology/Chemical/Engineering Physics/Industrial Design/Instrumentation Engineering/Mechanical Engineering/Materials Science **OR**
- BDes **OR**
- MSc/4-year BS in Physics/Applied Physics **OR**
- MBBS, BAMS, BHMS, BDS or any equivalent Clinical Degree involving direct patient care, diagnosis, and treatment.

BTech students from IITs and 4-year BS students of IISc with CGPA of 8.0 or above can apply without GATE.

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

Selection based on GATE/ CEED score in the respective discipline.

Eligibility Criteria

MTech - Govt.
Lab/Industry Sponsored
Category

A First-Class degree in the following:

- BE/BTech in Biomedical Engineering/Electrical Engineering or allied branches/Computer Science & Engineering, Artificial Intelligence & Data Science or allied branches/Biotechnology/Chemical/Engineering Physics/Industrial Design/Instrumentation Engineering/Mechanical Engineering/Materials Science **OR**
- BDes **OR**
- MSc/4-year BS in Physics/Applied Physics **OR**
- MBBS, BAMS, BHMS, BDS or any equivalent Clinical Degree involving direct patient care, diagnosis, and treatment.

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Recommendation from Integrated Defence HQ/
DRDO **OR** NOC and study leave from industry or Govt.
Organisation.

Selection based on entrance exam and/or interview.

Eligibility Criteria

MTech - Self Sponsored Category

A First-Class degree in the following:

- BE/BTech in Biomedical Engineering/Electrical Engineering or allied branches/Computer Science & Engineering, Artificial Intelligence & Data Science or allied branches/Biotechnology/Chemical/Engineering Physics/Industrial Design/Instrumentation Engineering/Mechanical Engineering/Materials Science **OR**
- BDes **OR**
- MSc/4-year BS in Physics/Applied Physics **OR**
- MBBS, BAMS, BHMS, BDS or any equivalent Clinical Degree involving direct patient care, diagnosis, and treatment.

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

Selection based on entrance exam and/or interview.

Fee Structure and Other Details

Fee Structure: The applicable fees are subject to periodic revision as per institute norms. Applicants are advised to refer the following link:

<https://www.iith.ac.in/academics/fee-structure/>

First-Class is defined as 60% marks or 6 CGPA. In case of many applications, cut off may be increased.

Except the cases where the admission is based on GATE/CEED Score relaxation is provided on CGPA/marks for SC/ST/OBC candidates (10% for OBC candidates and 15% for SC/ST candidates).

Course Curriculum

Duration: 2 years

For further details:

Email:
renujohn@bme.iith.ac.in

Web:
<https://cip.iith.ac.in/>

Credit Requirements

50 credits of courses distributed over four semesters, namely,

- 24 credits of core and elective courses in 1st and 2nd semesters
- 24 credits of project components in 3rd and 4th 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.

