भारतीय संकेतिक विज्ञान संस्था हैदराबाद
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

MAE Department of Mechanical & Aerospace Engineering, IIT Hyderabad

MTech in Robotics and Intelligent Systems (*RIS*)
Academic Year 2025-2026

Domain Expertise

- **S**oft Robotics
- **M**arine Robotics
- **A**erial Robotics
- **R**ecreational Robotics
- **T**ransportation Robotics

Course Highlights

- Comprehensive theoretical expertise in advanced control systems, optimization algorithms, AI/ML frameworks, multi-sensor perception, path planning, and high-fidelity modeling and simulation.
- Extensive hands-on proficiency with cutting-edge robotic development platforms, including Gazebo, ROS, and rapid prototyping workflows for real-time system integration.
- Industry-aligned research experience through collaborative projects, bridging academic innovation with real-world engineering challenges.
- Diverse career opportunities in top-tier technology companies, R&D centers, and emerging deep-tech startups.

IITH NIRF Rankings

Engineering	8th
Innovation	3rd
Research	15th
Overall	14th

Courses Offered

- MTech RIS- Regular **(MOE)**
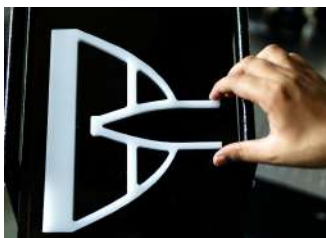- MTech RIS - Regular **(Self Sponsored)**
- MTech RIS - **RAs**

ELIGIBILITY CRITERIA

MOE mode : GATE score and performance on written test and/or interview. ME, AE, PE, NM and allied engineering streams are eligible.

Self-Sponsored Mode: Admission is given to shortlisted candidates based on their performance on the written test and an interview.

RA mode: These students will work on projects funded by external agencies and the number of seats can vary subject to the availability of funding during the selection process

Lab Facilities | RIS

For MTech admission-related queries, please contact

Email: office@mae.iith.ac.in
Phone: (040) 2301 6650

For MTech RIS related queries, please contact

Dr. Himabindu Allaka
Assistant Professor, MAE, IITH
Email: himabindu.allaka@mae. iith.ac.in

Scan the QRs to know more about us,

More about RIS   MAE Website