



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Department of physics, IIT Hyderabad has a total of 29 full time faculty and conducts world class research in the fields of condensed matter experiment, condensed matter theory, optics, lasers and spectroscopy, high energy physics, astrophysics and cosmology.

Department consists of well equipped laboratories to make devices and materials pertinent to spintronics, opto-electronics, semiconducting devices, nanoelectronics. Department also conducts world class research in the area of quantum information and communication

M.TECH

QUANTUM AND SOLID STATE DEVICES

a quantum twist to solid state devices

Department of Physics
IIT Hyderabad

Course Highlights

- ✓ Synergy between theory and hands on
- ✓ Training in all verticals of Quantum and solid state devices in line with industry
- ✓ Hands-on experimental experience
- ✓ Computation
- ✓ Expert lectures by industry professionals
- ✓ Internships/Projects (2 semester long)

Eligibility:

- ✓ Candidates eligible to appear for GATE in PH/CH/EE /ECE/ES/MS
- ✓ M.Sc in Physics, astronomy, applied physics, electronics; B.tech in Engineering Physics, EE, ECE, Engineering Science, Material Science, Chemical Engineering and other relevant area with CGPA ≥ 6
- ✓ MoE students will be selected based on GATE score and interview.
- ✓ Self sponsored candidates will be selected based on interview
- ✓ Candidates will be selected as per COAP process.

OUR OFFER & OBJECTIVES

- ✓ Futuristic technology based on Quantum and Solid State Devices
- ✓ Application area: Communication, Spintronics, Semiconducting Devices, Nanoelectronics and Optoelectronics
- ✓ Harness power of Quantum Correlation
- ✓ Encryption for Quantum Communications
- ✓ Trained professionals for future Quantum and Solid State Technologies
- ✓ Balanced curriculum with theory and hands on experiments

For Admission:

Interested Candidates should fill in the application form at <https://iith.ac.in/mtechadmissions> on or before the deadline

Contact: mtech.admissions@phy.iith.ac.in
For more information [click here](#)