

# WHY SHOULD YOU CONSIDER IIIT HYDERABAD?

20+ domain and applied research centres

Separate boys and girls hostels with 24-hour security

Large campus in Hyderabad's bustling IT corridor

Top Ranking in Asia for AI and Robotics research

Multiple industry and government research engagements

Prof. Raj Reddy, the only Indian to win the Turing Award, was Chair of IIITH's governing council for 25 years, since its inception in 1998

Fully residential N-PPP autonomous deemed university

First IIIT to be set up in 1998

Large research groups in cutting-edge areas

25 years of research-led education

Accredited by UGC, AICTE and NAAC (Grade A++)

2,000 student campus, half in research

More details at

<http://ugadmissions.iiit.ac.in/index.html>



[www.iiit.ac.in](http://www.iiit.ac.in)



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## B.TECH PROGRAMS AT IIIT HYDERABAD



IIIT Hyderabad's innovative B.Tech programmes allow students the flexibility of selecting their courses and projects, as well as hone their core concepts and skills in the broad areas of engineering, sciences, mathematics and humanities, supported by practicums.

The practicums give them a first-hand understanding of leveraging their initial breadth and skills in the course and applying it to develop solutions for real-life problems. Students also learn next level concepts and do course projects by enrolling in advanced courses for two years, and go on to pursue a chosen specialization, or broaden their knowledge within their area of study.

A unique feature of IIITH's B.Tech programme is the strong encouragement and multiple opportunities in research. As a result, a large number of undergraduate students are able to publish papers in prestigious publications and international conferences, and even get to travel abroad to work with partner research groups while still at an undergraduate level.



IIIT Hyderabad's undergraduate (UG) programmes are the most unique in the country, allowing students research opportunities at the UG level.

As a result of students' early involvement in research projects that helps them develop deep research orientations and innovative mindsets, IIITH graduates are highly sought after by potential employers. IIIT Hyderabad has had a record of excellent placements year-on-year since its inception in 1998.



## IIIT Hyderabad offers B.Tech in

### COMPUTER SCIENCE AND ENGINEERING (CSE)

Students are given a strong foundation in CSE that includes electronics and hardware. Computer science courses are introduced in the early semesters, and non-IT courses in the later stages. This allows students to master the subject and carry out projects in the related subject starting from the second year. IT workshops are specially designed courses meant to impart mastery in the use of the latest software technologies by the third semester. The courses in mathematics, sciences, engineering and humanities enable students to explore the wider applications of information technology.

### ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)

Students are introduced to core courses that include programming, data structures, linear algebra, probability and random processes. ECE courses like electronics, signals & systems, communications, VLSI, and embedded systems are introduced in the early semesters. Electronics workshops are specially designed courses intended to give students hands-on experience in electronic circuit design in the third and fourth semesters. Advanced courses and electives in later years enable students to specialize in communications, signal processing, robotics, VLSI, embedded systems, and other streams.

There are various modes of admissions to the B.Tech programmes

**JOINT ENTRANCE EXAM (JEE)** Students from all over India can apply with their JEE Mains score. IIITH is targeting at least 25% seats for women students through JEE mode this year. Scholarships and financial aid are available.

**THE SPECIAL CHANNEL OF ADMISSION (SPEC)** is aimed at identifying students with extraordinary talent or background. Students who have passed class 12 or equivalent with Maths, Physics and Chemistry and who have studied at a Jawahar Navodaya Vidyalaya (JNV) from 6th to 12th, qualified for CBSE UDAAN scheme or are currently enrolled in the 4th semester of an integrated, six-year, 12th+B.Tech programme (after the 10th class) can apply.

**DIRECT ADMISSIONS FOR STUDENTS ABROAD (DASA)** is open to candidates who have studied XI and XII, or equivalent outside India, or hold a foreign passport. Applicants seeking admission through this mode have to follow a separate online process for IIIT Hyderabad.

