



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

**Inventing & Innovating
in Technology
for Humanity (IITH)**

Why IIT Hyderabad

- IITH is a 2nd generation premier institute of science and technology established in 2008.
- IITH has been consistently ranked in the top 10 institutes in India for Engineering according to NIRF and QS making it one of the most coveted schools for science and technology in the country.
- IITH creates a unique holistic ecosystem for education that offers interactive learning, a very flexible academic structure, cutting-edge research, strong industry collaboration, and entrepreneurship.
- IITH enjoys a very special relationship with Japanese universities and industries that goes beyond academic and research collaborations.
- The campus is spread across 600 acres with some of iconic buildings that will carry the signature of Japanese architecture.

Glance at IIT Hyderabad

- 4272 Students - (1187 PhD, 1300 PG, 1785 UG)
- 290+ Faculty
- 270+ Staff
- 18 Departments
- 200+ Patents
- 9 Online Mtech + Online MDes
- 8 Industry-oriented MTech Programs with industry-defined problems as MTech Projects
- 8 Centers of Excellence
- 9 Research and incubation centres
- 100+ Start-ups
- 7500 + publications
- Rs. 600 Cr+ research funding

Academic Departments

ENGINEERING

- Artificial Intelligence
- Biomedical Engineering
- Biotechnology
- Chemical Engineering
- Climate Change
- Civil Engineering
- Computer Science and Engineering
- Electrical Engineering
- Engineering Science
- Heritage Science and Technology
- Materials Science and Metallurgical Engineering
- Mechanical & Aerospace Engineering

SCIENCE

- Chemistry
- Physics
- Mathematics

LIBERAL ARTS, DESIGN, AND MANAGEMENT

- Liberal Arts
- Design
- Entrepreneurship and Management

Academic Programmes

- **4-year Bachelors**
- **2-year Masters': MA, M.Sc, M. Tech**
- **Research-Program: Ph.D.**

UNDER GRADUATE PROGRAMS

BACHELORS OF TECHNOLOGY (BTECH)

- Artificial Intelligence
- Biomedical Engineering
- Biotechnology & Bioinformatics
- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electrical Engineering
- Engineering Science
- Engineering Physics
- IC Design & Technology
- Industrial Chemistry
- Materials Science & Metallurgical Engineering
- Mechanical & Aerospace Engineering
- Mathematics & Computing
- Computational Engineering (Interdisciplinary)
- Bachelors of Design (BDes)

POST GRADUATE PROGRAMS

MASTER OF TECHNOLOGY (MTECH)

- Artificial Intelligence
- Biomedical Engineering (3 specialisations)
- Biotechnology
- Chemical Engineering
- Civil Engineering (5 specialisations)
- Climate Change
- Computer Science and Engineering (2 specialisations)
- Electrical Engineering (5 specialisations)
- Techno-Entrepreneurship
- Materials Science & Metallurgical Engineering (2 specialisations)
- Mechanical & Aerospace Engineering (4 specialisations)
- Interdisciplinary programs (8 specialisations)
- Online MTech (10 specialisations)

MASTER OF SCIENCE (MSC)

- Physics
- Chemistry
- Mathematics
- MA in Liberal Arts (2 specialisations)
- Master of Design (MDes)

Professional Programs

IITH offers the following professional programs:

MASTER OF TECHNOLOGY (EXECUTIVE MTECH) BIODESIGN

- The Dept. of Biomedical Engineering offers an executive MTech. The program is an amalgamation of engineering and life sciences

FELLOWSHIP PROGRAM

- The Center for Healthcare Entrepreneurship (CfHE) offers a 12 months long fellowship program comprising of 30 credits of class room entrepreneurship training, including 8 weeks of clinical

FIRST FELLOWSHIP PROGRAM

- IITH offers PhD program for foreign students with a fellowship of about 10,000 USD per year and a contingency grants of Rs. 1 lakh per year.

Research Programs

IITH offers regular PhD programs in the following departments:

- Artificial Intelligence
- Biomedical Engineering
- Biotechnology
- Chemical Engineering
- Civil Engineering
- Climate Change
- Computer Science and Engineering
- Electrical Engineering
- Heritage Science and Technology
- Materials Science and Metallurgical Engineering
- Mechanical and Aerospace Engineering
- Chemistry
- Physics
- Mathematics
- Liberal Arts
- Design
- Entrepreneurship and Management

Research Thrust Areas

- 5G and Next Generation Communication Technologies
- Additive Manufacturing
- Artificial Intelligence
- Bio-Inspired Processes and Systems
- Catalysis
- Climate Change
- Energy
- Health Care
- Integrated Computational Engineering
- Nano-Technology
- Sensors and Devices
- Waste Management
- Smart Mobility
- Transportation
- Rural Development
- Robotics

Interdisciplinary (ID) Phd Program

- IIT Hyderabad offers an Interdisciplinary (ID) PhD program for enthusiastic aspirants exploring the interface of various science and engineering disciplines. The interdisciplinary PhD program is coordinated by the Center for Interdisciplinary Programs (CIP)
- The ID PhD Program involves rigorous course work (12 or 24 credits depending on the background of students) followed by research work in their chosen area leading to a doctoral thesis.
- The Institute has formalized “Four” research areas as part of CIP interdisciplinary PhD program.

The full list of interdisciplinary research projects can be found below.

IITH TRP

IITH Technology Research Park is an independent Section 8 Company, founded, promoted, and hosted by IITH and is a self-reliant team endorsed by IITH and its alumni.

IITH TIP

IITH Technology Innovation Park is
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Centers Of Excellence (6 COE's)

RURAL DEVELOPMENT CENTRE

- RDC: <https://rdc.iith.ac.in/>

CENTRE FOR INTERDISCIPLINARY PROGRAM (CIP)

- CIP: <https://cip.iith.ac.in/>

CENTRE FOR CONTINUING EDUCATION (CCE)

- TLC: <http://tlc.iith.ac.in/> ,
- GIAN: <https://www.iith.ac.in/~gian/>
- TEQIP: <http://teqip.iith.ac.in/>

IITH-DRDO CELL

- This Cell is now converted into a DIA Centre of Excellence

DST NM-ICPS TIHAN

- Tihan: <https://tihan.iith.ac.in/>

DESIGN INNOVATION CENTRE

- DIC: <http://dic.iith.ac.in/>

