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

M.TECH. PROGRAM IN CLIMATE CHANGE (SELF SPONSORED)

DEPARTMENT OF CLIMATE CHANGE

CONTACT US:

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Indian Institute of Technology
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About Program

M.Tech. in Climate Change (CC) is being offered from the academic year 2019-20 in the Department of Climate Change. The candidates will be provided a thorough grounding on the science, technology and policies associated with the field of climate change followed by a one-year Master's Research thesis on any of the research thrust areas of the Dept. faculty.

About Department

The Department of Climate Change at IIT Hyderabad integrates academic and practical knowledge by bringing together a diverse array of stakeholders, including scientists, engineers, policy researchers, practitioners, and students in order to develop a holistic understanding of Climate Change.

Our innovative interdisciplinary curriculum involves a mix of core and elective courses, an industry lecture and seminar series by leading experts, focus group discussions, field visits, and a research thesis to provide cutting-edge education in the area of Climate Change.

Research Thrust

Climate Change Modeling
Climate Change Impact Measurement
Climate Change Mitigation
Climate Change Policies
Sustainability

Course Curriculum

Type	Credits
Core Courses(Semester 1 & 2)	12
Electives (Semester 1 & 20	12
Thesis (Semester 3 & 4)	24
Industry Lecture	Pass/fail
English Communication	1

Faculty Research Areas

- Sustainable Development
- Renewable Energy Technology
- AI & ML Applications in Climate Change
- High-Performance Computing
- Climate Adaptation
- Climate Impact
- Climate Extremes
- Urban Studies
- Climate & WRF Models
- Satellite And Radar Rainfall Estimation
- Emissions Modelling
- Scaling Up & Efficiency of Simulations
- Parallelization
- 3D & 4D Variation Assimilation
- Biofuels
- Carbon Capture Utilization and Storage
- Design For Sustainability
- Life Cycle Analysis
- Resource Recovery from Waste
- Waste Management

Admission Procedure

Eligibility

Candidates eligible to appear for GATE in the Subjects:
AE/AG/AR/BT/CE/CH/CY/CS/DA/EC/EE/ES/EY/GE/GG/IN/MA/ME/MT/PE/PH/ST/XE/XH/XL can apply.
GATE score not mandatory.
Program cost to be borne by the candidate.

How to Apply

Interested Candidates should fill in the application form at https://iith.ac.in/mtechadmissions on or before the deadline. Further details can be seen in https://cc.iith.ac.in/admissions.html

Results

Shorlisted applicants will be communicated through emails to appear for online/offline written test/interview. The final selection list will also be made available in departmental webpage and candidates should check their email regularly for updates.