



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

DEPARTMENT OF CLIMATE CHANGE



M.TECH PROGRAM INFORMATION BROCHURE



CONTACT US:

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About the Department

The Department of Climate Change at IIT Hyderabad is dedicated to tackling the global climate change and its impacts. Recognizing the urgent need for interdisciplinary solutions, the department brings together scientists, engineers, practitioners, and students from diverse disciplines, and integrates climate sciences, engineering & technology, social policy research, and sustainable practices into its comprehensive curriculum.

Research Areas

- Climate Modeling
- Climate Adaptation
- Climate Change Impact
- Climate Policy
- Climate Extremes
- Meteorological Forecasts
- Paleoclimate
- AI/ML Applications in Climate
- High-Performance Computing
- Satellite Hydrometeorology
- Renewable Energy Technology
- Carbon Capture
- Biofuels
- Emissions Modeling
- Urban Studies
- Sustainable Development
- Hazards & Vulnerabilities
- Waste Management
- Life Cycle Analysis

M.Tech Program

M.Tech in Climate Change (CC), offered by the Department of Climate Change, provides rigorous training in scientific, technological, and policy dimensions of climate change. The program includes coursework in climate studies, followed by a master's research thesis conducted under the supervision of departmental faculty in one of the core research areas of the department. Candidates may apply in one of the following categories:

Teaching Assistant (TA)

Duration: 2 years

Funding: MoE Fellowship

Research Assistant through Project (RAP)

Duration: 3 years

Funding: Fellowship through faculty's sponsored research projects

Govt. Lab / Industry Sponsored (GLS / IS)

Duration: 2 years

Funding: Funding provided by the sponsor

Self-Sponsored (SS)

Duration: 2 years

Funding: Cost to be borne by the candidate

Eligibility Criteria

1. **TA and RAP** candidates should have a valid GATE score in an appropriate test paper. Candidates with B.Tech from any IIT in any discipline with CGPA ≥ 8.0 can apply without a GATE score.
2. **GLS, IS, and SS** candidates should be eligible to appear for GATE in an appropriate test paper. But no valid GATE score is necessary.
3. **Appropriate GATE test papers:** AE, AG, AR, BM, BT, CE, CH, CS, CY, DA, EC, EE, ES, EY, GE, GG, IN, MA, ME, MN, MT, NM, PE, PH, PI, ST, TE, XE, XH, XL.

How to Apply

Candidates are required to submit their applications through the online M.Tech admissions portal.

<https://iith.ac.in/mtechadmissions>

Selection Procedure

M.Tech TA candidates are selected through the Common Offer Acceptance Portal (COAP). All other candidates are selected based on interview. Selected candidates will be notified by email.

For more details, please visit

<https://cc.iith.ac.in/admissions.html>