



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

Ph.D. PROGRAM INFORMATION BROCHURE

DEPARTMENT OF CLIMATE CHANGE



CONTACT US:

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Note on admissions

In this round, the department is only inviting PhD applications for

(i) candidates already having fellowships: UGC NET-JRF, CSIR-JRF, DST-Inspire, or any other fellowship that already has provision to support PhD students.

OR

(ii) Candidates eligible for Direct PhD MoE fellowship [Please refer to Eligibility on the right panel]

About Department

The Department of Climate Change 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

Program Requirement

Total program duration is five years. Candidates with prior M.Tech/M.Des/M.Arch degree will have to complete 12 course credits, candidates with M.Sc must complete 18 course credits and direct B. Tech candidates must complete 24 course credits within the 1st year. Candidates must secure a CGPA of 7.0 or above in the courses and pass the comprehensive viva to continue the program. The courses to be taken are decided on consultation with program supervisor. The Ph.D. program is considered complete on successful defense and submission of the Ph.D. research thesis and publication of at least two Scopus-indexed original research articles. The evaluation of research progress is done by the doctoral committee.

Faculty Research Areas

- 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
- Biogeochemical cycles

Admission Procedure

Eligibility

Eligibility:

M.Tech/M.Sc/M.Arch/M.Des in any discipline. And clearing of a fellowship exam that provides PhD fellowships (e.g. UGC NET-JRF, CSIR-JRF, etc)

Candidates with **B.Techs from IITs, NITs and other Centrally Funded Institutes are eligible for direct PhD admission with MoE fellowship if their CGPA is above 8.0.** Selection will be based on written test/ interview.

How to Apply

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

Results

List of selected candidates will be released after selection.

Selected applicants will be communicated through emails

The list will also be made available in departmental webpage

The applicants should ensure the accuracy of the email address provided and check their email regularly for updates