



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

# DEPARTMENT OF CLIMATE CHANGE



## PhD 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

## PhD Programs

### Regular PhD

**Eligibility:** Master's degree with first class in any discipline.

**Fellowship:** MoE / External / Project

### Direct PhD

**Eligibility:** B.Tech / BE / BS in any discipline from a Centrally Funded Technical Institute, with CGPA 8.0 or a valid GATE score.

**Fellowship:** MoE / External / Project

### External PhD

**Eligibility:** Bachelor's degree in any discipline with at least two years of work experience or M.Tech / ME / MS in any discipline. Applicants must be employed in a scientific institution, research laboratory, or industry and provide a no-objection certificate from their organization.

**Fellowship:** None

## Fellowships

- 1. MoE Fellowship:** A valid national eligibility test qualification (GATE, UGC, CSIR, CEED, etc.) is required.
- 2. External Fellowship:** Candidates must have secured an external fellowship (DST, INSPIRE, CSIR, UGC, etc.) prior to application.
- 3. Project Sponsorship:** funded through faculty's sponsored research projects.

## Program Requirements

Program duration is five years. Coursework requirements in the first year are 12 credits (M.Tech / ME / M.Des / M.Arch), 18 credits (M.Sc / MS / MA), and 24 credits (B.Tech / BE / BS). A minimum CGPA of 7.0 in the first year and fulfillment of the comprehensive examination requirements are necessary to continue. PhD is completed upon thesis submission, successful defense, and publication of at least two original research articles in Scopus-indexed journals.

## How to Apply

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

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

External PhD candidates should contact prospective guide from the department before appearing for the interview.

## Selection Procedure

Candidates are selected based on their performance in the interview. The department may conduct additional written tests or interviews for initial screening. Selected candidates will be notified by email.

**For more details, please visit**

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