



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

Candidates with a master's degree with a first class in science, engineering, or medical discipline can apply for the regular PhD program.

Fellowship: MoE / External / Project

Direct PhD

Candidates with a bachelor's degree or higher can apply for the direct PhD program.

Fellowship: MoE / External / Project

External PhD

Applicants must be employed in a scientific institution, research laboratory, or industry and provide a no-objection certificate from their organization.

Fellowship: None

* Refer to the next page for minimum eligibility criteria for each program.

Fellowships

- 1. MoE Fellowship:** Fellowship provided by the Ministry of Education.
- 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. Depending on entry qualification, coursework requirements are between 12 and 24 credits. A minimum CGPA of 7.0 in the first year coursework 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 a 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>

PhD Programs and Minimum Eligibility Criteria

Programs	Entry Qualification	CGPA Requirements	Entry Exam	Work Experience
Regular PhD	ME, MTech, MS (by Research), MS (in Eng.), Integrated Masters, MPharma, MD, MS (Medical Degree), or equivalent	First Class	N/A	N/A
	MSc	First Class	GATE, CSIR, UGC, DST Inspire, ICMR, NBHM, DBT, or equivalent	N/A
Direct PhD	BE, BTech, BDes, 4-year BS, MCA, MSc, 5-year MSc, MBBS, or BDS from <u>Centrally Funded Technical Institutes</u> and <u>Central Universities</u>	8 CGPA	N/A	N/A
	BE, BTech, BDes, 4-year BS, MCA, 5-year MSc, MBBS, or BDS from any institute	First Class	GATE, CEED, CSIR, UGC, DST Inspire, NBHM, DBT, or equivalent	N/A
External PhD	ME, MTech, MS (by Research), MS (in Eng.), Integrated Masters, MPharma, MD, MS (Medical Degree), or equivalent	First Class	N/A	N/A
	BE, BTech, BDes, 4-year BS, MSc, MCA	First Class	N/A	Minimum 2 years
			GATE, CEED, CSIR, UGC, DST Inspire, NBHM, DBT, or equivalent	N/A