



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

# Ph.D. PROGRAM INFORMATION BROCHURE (MoE FELLOWSHIP)

## DEPARTMENT OF CLIMATE CHANGE



### CONTACT US:

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## About Program

Ph.D. in Climate Change (CC) is being offered from academic year 2020-2021 in the Department of Climate Change.

## 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

## 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

- 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

Eligibility:

M.Tech/M.Sc/M.Arch/M.Des in any discipline. The candidate should have cleared national eligibility tests UGC NET/GATE/CEED/CSIR etc. Candidates with B.Techs from IITs, NITs and other Centrally Funded Institutes are eligible for direct PhD admission 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://iith.ac.in/phdadmissions> on or before the deadline. Further details can be seen in <https://cc.iith.ac.in/admissions.html>

## 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

