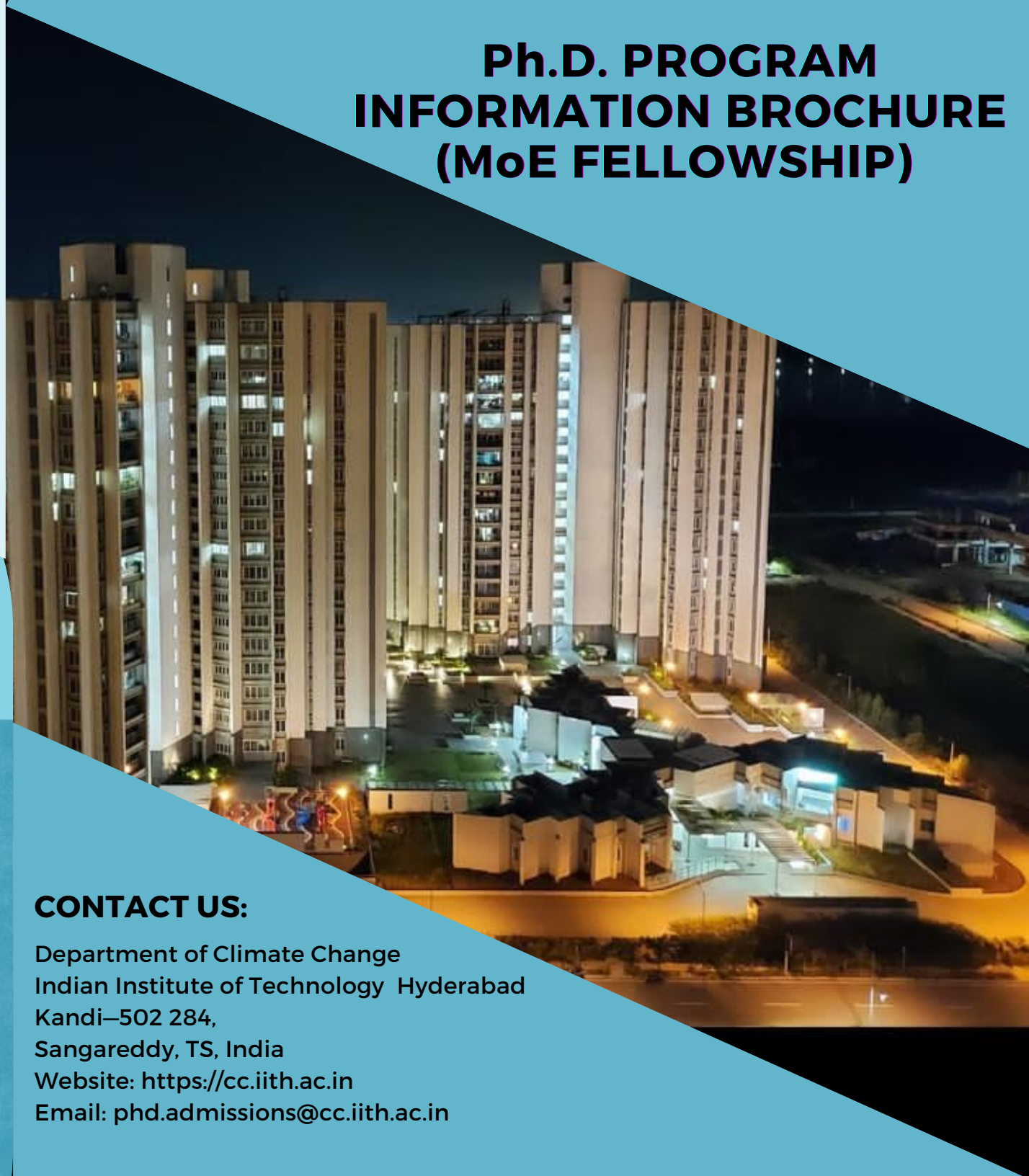
भारतीय सांकेतिक विज्ञान संस्थ हैदराबाद
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

DEPARTMENT OF CLIMATE CHANGE

Ph.D. PROGRAM INFORMATION BROCHURE (MoE FELLOWSHIP)



CONTACT US:

Department of Climate Change
Indian Institute of Technology Hyderabad
Kandi–502 284,
Sangareddy, TS, India
Website: https://cc.iith.ac.in
Email: phd.admissions@cc.iith.ac.in

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
- Waste, Sludge, and Biomass Valorization
- Resource Recovery/ Waste Management

Admission Procedure Eligibility

Eligibility:
M.Tech/M.Sc/M.Arch/M.Des/MA 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

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Indian Institute of Technology Hyderabad

DEPARTMENT OF CLIMATE CHANGE

M.TECH. PROGRAM IN CLIMATE CHANGE (MoE FELLOWSHIP)

CONTACT US:

Department of Climate Change
Indian Institute of Technology Hyderabad
Kandi–502 284,
Sangareddy, TS, India
Website: https://cc.iith.ac.in
Email: mtech.admissions@cc.iith.ac.in

About Program

M.Tech. in Climate Change (CC) is being offered from the academic year 2019-20 in the Department of Climate Change. The candidates will be provided a thorough grounding on the science, technology and policies associated with the field of climate change followed by a one-year Master's Research thesis on any of the research thrust areas of the Dept. faculty.

About Department

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Research Thrust

Climate Change Modeling
Climate Change Impact Measurement
Climate Change Mitigation
Climate Change Policies
Sustainability

Course Curriculum

Type	Credits
Core Courses(Semester 1 & 2)	12
Electives (Semester 1 & 2)	12
Thesis (Semester 3 & 4)	24
Industry Lecture	1
English Communication	1

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
- Waste, Sludge, and Biomass Valorization
- Resource Recovery/ Waste Management

Admission Procedure

Eligibility

Candidates eligible to appear for GATE in the Subjects:
AE/AG/AR/BT/CE/CH/CY/CS/DA/EC/EE/ES/EY/GE/GG/IN/MA/ME/MT/PE/PH/ST/XE/XH/XL can apply.
GATE score mandatory.
Candidates will be selected as per online COAP process.

How to Apply

Interested Candidates should fill in the application form at https://iith.ac.in/mtechadmissions on or before the deadline. Further details can be seen in https://cc.iith.ac.in/admissions.html

Results

Selected applicants will be communicated through emails. The list will also be made available in departmental webpage and candidates should check their email regularly for updates. Offers will be made as per COAP guidelines

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भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

DEPARTMENT OF CLIMATE CHANGE

M.TECH. PROGRAM IN CLIMATE CHANGE (SELF SPONSORED)

CONTACT US:

Department of Climate Change
Indian Institute of Technology Hyderabad
Kandi–502 284,
Sangareddy, TS, India
Website: https://cc.iith.ac.in
Email: mtech.admissions@cc.iith.ac.in

About Program

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Research Thrust

Climate Change Modeling
Climate Change Impact Measurement
Climate Change Mitigation
Climate Change Policies
Sustainability

Course Curriculum

Type	Credits
Core Courses(Semester 1 & 2)	12
Electives (Semester 1 & 20	12
Thesis (Semester 3 & 4)	24
Industry Lecture	Pass/fail
English Communication	1

Faculty Research Areas

- Sustainable Development
- Renewable Energy Technology
- AI & ML Applications in Climate Change
- High-Performance Computing
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- Climate Impact
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Admission Procedure

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AE/AG/AR/BT/CE/CH/CY/CS/DA/EC/EE/ES/EY/GE/GG/IN/MA/ME/MT/PE/PH/ST/XE/XH/XL can apply.
GATE score not mandatory.
Program cost to be borne by the candidate.

How to Apply

Interested Candidates should fill in the application form at https://iith.ac.in/mtechadmissions on or before the deadline. Further details can be seen in https://cc.iith.ac.in/admissions.html

Results

Shorlisted applicants will be communicated through emails to appear for online/offline written test/interview. The final selection list will also be made available in departmental webpage and candidates should check their email regularly for updates.