



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

GREENKO SUSTAINABILITY SCIENCE AND TECHNOLOGY SCHOLARSHIP (PHD) INFORMATION BROCHURE

DEPARTMENT OF CLIMATE CHANGE



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

GreenKo School of Sustainability Science and Technology (GSSST) and the Department of Climate Change at IIT Hyderabad is floating the PhD scholarship program on Sustainability Science and Technology for highly motivated scholars (both Indian and foreign nationals). The selected candidates will

- Receive a stipend of Rs. 75,000 per month
- Receive contingency support of Rs. 3,00,000 per year
- Will be jointly supervised by two CC faculty on one of the research thrust areas described below
- Possibility of research exchange with foreign universities.

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 and Sustainability. The Department is currently functioning under the newly inaugurated IITH-GreenKo School of Sustainability which aims to promote research, education and awareness on the core themes of Sustainable Energy Transitions, Circular Economy, Green Chemistry and Sustainable Materials, Industrial Ecology, Sustainable Water and Food Systems and Climate Change Mitigation.

Our innovative interdisciplinary curriculum provides cutting-edge education in the area of Climate Change and Sustainability Science and Technology.

Research Thrust Areas

Climate Change Mitigation; Climate Change Impact Measurement; Sustainable Energy and Materials, Circular Economy, Sustainable Mobility and Built Environment, Sustainable Water and Food Systems

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/M.A./M.Phil 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 supervisors. The PhD program is considered complete on successful defense and submission of the PhD 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 and Utilization
- Design For Sustainability
- Life Cycle Analysis
- Resource Recovery from Waste
- Waste Management

Admission Procedure Eligibility

Eligibility: (Indian Citizens)

M.Tech/M.Sc/M.Arch/M.Des/M.A./M.Phil 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.

B.Techs from other institutes are also eligible for direct entry if they have a CGPA of 8.5 or above and a valid GATE score in the relevant subject.

Eligibility: (International Applicants)

Foreign Nationals (except OCI/NRI) with excellent academic qualifications having a master's degree in Engineering / Technology/Science in the relevant disciplines and minimum CGPA of 8.0 on a 10-point scale or equivalent. The Candidates must have completed Bachelors or Masters degree in a foreign university.

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 18/11/2022. Further details can be seen in <https://cc.iith.ac.in/admissions.html>

Results

The candidates will be selected through a rigorous selection process and their performance will be reviewed annually for continuation of fellowship

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