

PhD Admission Brochure

Greenko School of Sustainability

July 2025

ABOUT THE SCHOOL

Greenko Group and IIT Hyderabad have collaborated to establish the **Greenko School of Sustainability** at the Indian Institute of Technology Hyderabad in 2022. The School of Sustainability is designed to shape a world that harmonizes with nature and empowers future generations toward a more sustainable tomorrow. The objectives of the school are to conduct research and development, education programs. The Greenko School of Sustainability is structured as a cross disciplinary center that manages seamless participation and knowledge flow from all existing departments and centers of IIT Hyderabad. The Greenko School of Sustainability (GSS) is currently offering three masters' programs: (i) Sustainable Engineering, (ii) Energy Science & Technology (iii) E-waste Resource Engineering and Management.

PHD PROGRAM

The Greenko School is inviting applications from highly motivated and enthusiastic students interested in working on the identified interdisciplinary thrust areas of the school.

RESEARCH THRUST AREAS FOR THIS ROUND OF ADMISSIONS

The school has the following thrust areas:

- (i) Climate Change Mitigation
- (ii) Energy Transition & Industrial Transformation
- (iii) Circular & Regenerative Economy
- (iv) AI & Space Technology for Climate Change mitigation
- (v) Green Chemistry & Industrial Processes
- (vi) Recycling, Reuse, and Repurposing
- (vii) Sustainable Manufacturing and Decarbonization
- (viii) Sustainable Infrastructure
- (ix) Sustainable Supply Chain Modelling and Management

Contact Us: Greenko School of Sustainability, Indian Institute of Technology Hyderabad, Website: <https://gss.iith.ac.in>

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RESEARCH PROJECTS

Title of the project	Eligibility
Development and Performance Evaluation of a Direct Injection Ammonia based Dual Fuel CI engine	Essential: 1. BTech/BE in Mechanical/Aerospace/Production Engineering 2. MTech/ME in Mechanical Engineering with specialization in Thermofluids Desirable: Hands-on experience in IC engine experiments Project duration: 3 years
Unassisted Solar Seawater Splitting PEC Cells for Sustainable Hydrogen Generation	1 st class Master's degree in Chemistry/Nanotechnology with a valid GATE score Age limit: 26 Years Project duration: 3 years

HOW TO APPLY

Applications are accepted online

Create a login on IITH webpage at:

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

For more info, visit - <https://www.iith.ac.in>

ADMISSIONS

The school is offering Fellowships in TWO categories:

1. Project Fellowships (see the table): 2 Nos. (INR 75,000/ month)
2. MoE Fellowships: 4 Nos. (As per GoI Norms for 5 years)

ELIGIBILITY

- All candidates should have cleared national eligibility tests UGC NET/GATE/CEED/CSIR, etc. However, need not have a validity at the time of application.
- Candidates with First Class degrees in their respective bachelor's and master's programs can apply.
- For MoE fellowships, candidates shall hold M.Tech/M.Sc/M.Arch/M.Des in any discipline aligned with the research thrust areas of the school.
- For project-based fellowships, the specific eligibility criteria and essential/desirable requirements for each project are given in the table.

*External PhD Program:

- Candidates with at least 2 years of relevant experience with an NOC from their organization are eligible for admission as External Ph.D.
- *All other institute's admission guidelines are applicable.

SELECTION CRITERIA

- The selection is through a written test and/or Interview.
- Selected applicants will be communicated through emails. The applicants should ensure the accuracy of the email address provided and check their emails regularly for updates.