

M.Tech in Sustainable Engineering Admission Brochure July 2024



**Greenko School of Sustainability
Indian Institute of Technology
Hyderabad**



CONTACT US:

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ABOUT THE SCHOOL

Greenko Group and IIT Hyderabad are collaborated to establish the Greenko School of Sustainability at the Indian Institute of Technology Hyderabad.

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 & development and educational programs.

The Greenko School of Sustainability is structured as a cross-disciplinary center that manages seamless participation and knowledge flow from all existing departments of IIT Hyderabad.

The Greenko School of Sustainability at IIT Hyderabad offers three distinct inter-disciplinary two-year M.Tech programs in:

- Sustainable Engineering
- Energy Science and Technology
- E-Waste Resource Engineering and Management

These programs are crafted to meet the specific sustainability aspects of climate, energy, and e-waste management.

M.TECH IN SUSTAINABLE ENGINEERING

This program offers three distinct but inclusive specializations as below:

- (i) Sustainable Infrastructure
- (ii) Sustainable Energy Systems
- (iii) Sustainable Industrial Processes

The students get to choose one of these specializations in their second semester based on their bachelor's degree and interest.

However, the degree will be called as M.Tech in Sustainable Engineering

PROGRAM DETAILS

Type	Credits
Core Courses (Semester 1&2)	14
Electives (Semester 1&2)	10
Thesis (Semester 3&4)	24
Industry Lectures	01
English Communication	01

COURSES

- Concepts in Sustainability
- Sustainable Energy Technology
- Methods for Sustainable Engineering
- United Nations Sustainable Development Goals
- Supply Chain Management and Circular Economy
- Chemistry for Sustainable Energy
- Parallel Programming for High Performance Computing
- Parallel and Concurrent Programming
- Distributed Computing
- Nanoporous materials
- Sustainable Mobility
- Carbon Capture, Utilization and Storage
- Industry Lecture
- English Communication
- Sustainable Waste Management
- Recycling and Sustainability of Green Energy Materials
- Strategies for Sustainable Design
- Optimization Techniques - I
- Sustainable Water Management
- Solar and Hydrogen Economy
- Photovoltaic Technologies

ADMISSION PROCEDURE

ELIGIBILITY

Candidates eligible to appear for GATE in the subjects:

AG/AR/BT/CE/CH/CY/CS/DA/EC/EE/ES/EY/GE/GG/IN/ME/MT/PE/PH/XE can apply.

GATE score is mandatory.

Candidates will be selected through online COAP process.

HOW TO APPLY

Interested candidates should fill in the application forms at

<http://www.iith.ac.in/mtechadmissions> on

or before the deadline

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

RESULTS

The applicants should ensure the accuracy of the email address provided

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