




Department of Civil Engineering

Newsletter Highlights

Guest Lecture
Seminar



 www.iimtindia.net

 Plot no. 19 & 20, Knowledge Park III,
Greater Noida (U.P.)

 contact_gn@iimtindia.net

Jul.-Sept. 2025

VOLUME XVII, ISSUE III
NEWSLETTER

From Chief Editor's Desk



Prof. (Dr.) Tabassum Abbasi
HOD, Department of Civil Engineering

Renewable Energy Integration in Civil Engineering: Building A Greener Tomorrow

Today, as cities grow rapidly and industries expand, the importance of sustainable development has become more crucial than ever. Our college's Civil Engineering Department is dedicated to encouraging innovation in the field of renewable energy, which is a vital step toward building environmentally friendly and energy-efficient infrastructure.

Civil engineering plays a key role in shaping our environment, and by integrating renewable energy sources into our designs, we are changing the way we plan, build, and maintain structures. The focus is moving away from traditional, resource-heavy construction toward smarter, energy-efficient solutions. This includes using solar panels, wind turbines, geothermal systems, and bioenergy within buildings, transportation systems, and community projects to reduce our dependence on non-renewable resources.

Today's civil engineers are adopting new technologies such as Building Integrated Photovoltaic (BIPV) systems, roads that generate energy, green roofs, and zero-energy buildings. These innovations help cut down carbon emissions and improve how buildings perform and withstand environmental challenges. Additionally, smart city projects rely heavily on sustainable energy models that combine renewable sources with efficient water, waste, and transportation systems—areas where civil engineering expertise is essential.

Our department encourages students to take part in research, workshops, and seminars focused on green building materials, sustainable construction practices, and energy-saving design. Many students are working on practical projects, like solar-powered lighting for campus pathways, rainwater harvesting systems with solar pumps, and energy-efficient building layouts. These efforts reflect our goal of developing engineers who understand both technical skills and environmental responsibility.

By adopting renewable energy solutions, civil engineers are not just constructing structures—they are helping to build a sustainable future. The future of construction lies in eco-friendly innovation, and through active learning, teamwork, and experimentation, our students are becoming pioneers of a greener, smarter, and self-reliant India.

Let's keep strengthening our foundation—not only with concrete and steel but with clean energy and new ideas that will create a sustainable tomorrow.

Prof. (Dr.) Tabassum Abbasi
Chief Editor & HOD Dept. of CE



Our mission is to cultivate future engineers who are not only technically proficient but also environmentally conscious and socially responsible. As we face global challenges related to climate change and resource depletion, the role of civil engineers in promoting sustainable development has never been more vital.

Our department is dedicated to providing a comprehensive education that emphasizes innovative solutions such as renewable energy integration, eco-friendly construction practices, and resilient infrastructure design. We encourage our students to think creatively, work collaboratively, and embrace new technologies that can transform the way we build our cities and communities.

Through active research, industry collaboration, and practical training, we aim to prepare our students to lead the way in creating sustainable, energy-efficient, and environmentally friendly structures. It is our belief that future civil engineers will play a key role in shaping a better, greener world.

I look forward to witnessing the remarkable achievements of our students and faculty as we continue on this journey toward sustainable development.



Jul.-Sept. 2025

VOLUME XVII, ISSUE III
NEWSLETTER



GUEST LECTURE ON RAIN WATER HARVESTING

The department has organized guest lecture on **Guest Lecture On Rain Water Harvesting**. The resource person for the IIC activity session was Dr. Arunendra Kumar Tiwari (TERI, Delhi). There were 40 students present in the guest lecture & the total No. of staff Teaching participated was 05. The lecture by the speaker focused on:-

Importance of Water Conservation – The growing need to conserve water due to increasing population, urbanization, and climate change.

Concept of Rain Water Harvesting – Explanation of how rainwater can be collected, stored, and reused to meet water requirements.

Techniques of Rain Water Harvesting

- Rooftop harvesting systems
- Surface runoff harvesting
- Percolation pits and recharge wells

Design and Implementation – Factors to consider while designing an RWH system such as catchment area, storage capacity, filtration methods, and maintenance.

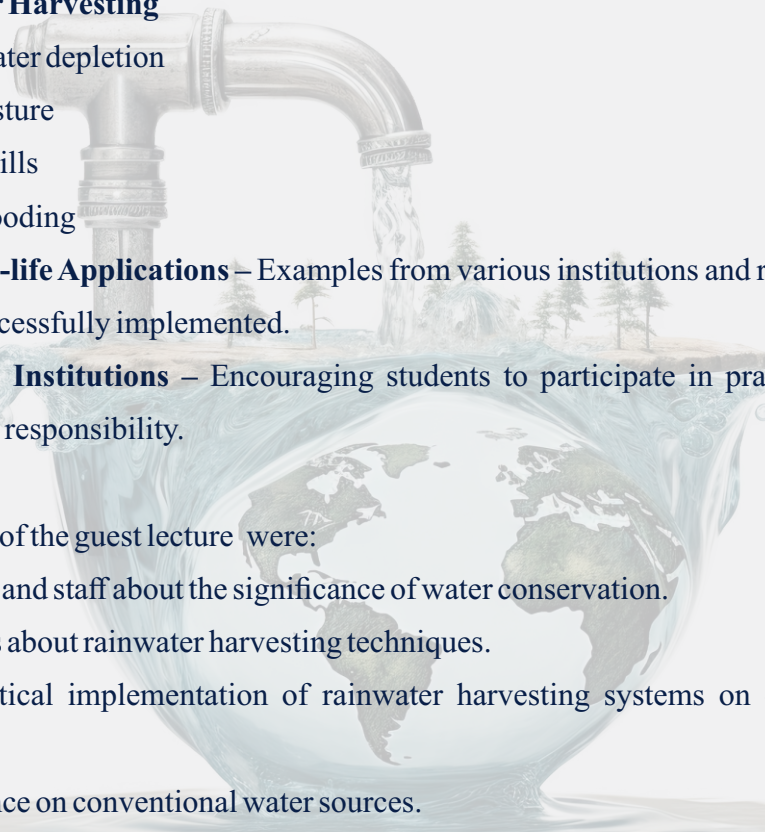
Benefits of Rain Water Harvesting

- Reducing groundwater depletion
- Improving soil moisture
- Minimizing water bills
- Mitigating urban flooding

Case Studies and Real-life Applications – Examples from various institutions and regions where rainwater harvesting has been successfully implemented.

Role of Students and Institutions – Encouraging students to participate in practical applications and promote environmental responsibility.

The primary objectives of the guest lecture were:

- To educate students and staff about the significance of water conservation.
 - To create awareness about rainwater harvesting techniques.
 - To encourage practical implementation of rainwater harvesting systems on campus and in nearby communities.
 - To reduce dependence on conventional water sources.
 - To promote environmental sustainability and responsible water usage.
- 



Jul.-Sept. 2025 **VOLUME XVII, ISSUE III**
NEWSLETTER

SEMINAR ON HOW TO CRACK GATE EXAM

The department has organized a seminar on “How to Crack Gate Exam” on 22nd Sep, 2025. The motivational speaker of the seminar was Mr. Varun Pathak. He is career guide expert and student mentorship expert at Made Easy, Delhi. The objective of this session was to guide students on effective strategies for preparing for the Graduate Aptitude Test in Engineering (GATE) — one of the most prestigious examinations for engineering graduates in India. The session aimed to motivate students, provide insights into the exam structure, and share practical tips for systematic preparation. The speaker encouraged students to believe in their potential and maintain consistency in their efforts. It was emphasized that success in GATE does not depend solely on intelligence but on discipline, regularity, and smart preparation. The message conveyed was:

“GATE is not an exam of luck — it is an exam of patience, consistency, and confidence.”

Students were inspired to begin their preparation early and stay focused on their long-term goals.

The expert talk on “How to Crack GATE Exam” was informative, motivational, and practical. It encouraged students to develop a strategic study plan and provided clarity on various aspects of GATE preparation. The Department expressed gratitude to the speaker for delivering an insightful and inspiring session.



Jul.-Sept. 2025

VOLUME XVII, ISSUE III
NEWSLETTER



Jul.-Sept. 2025

VOLUME XVII, ISSUE III
NEWSLETTER

GUEST LECTURE ON

TRAFFIC AWARENESS – USE OF HELMETS, ROAD RULES, AND CONSEQUENCES OF NEGLIGENCE

The Department of Civil Engineering organized a Guest Lecture on “Traffic Awareness Use of Helmets, Road Rules, and Consequences of Negligence” on 18th Sep, 2025 at Room No.310 of civil department. The session aimed to enhance students' understanding of road safety, traffic management, and sustainable transportation practices—key components of civil engineering and urban infrastructure development.

The resource person for the lecture was Mr. Manish Kumar, Asst proff IIMT College Of Polytechnic, Greater Noida, who shared valuable insights on the importance of following traffic rules, recent initiatives taken by local authorities to reduce road accidents, and the role of civil engineers in designing safer roads and junctions.

During the interactive session, students actively participated and discussed real-world challenges such as road congestion, pedestrian safety, and the integration of smart traffic management systems. The lecture emphasized the significance of awareness and discipline in ensuring safe and efficient mobility in urban areas.

The session concluded with a vote of thanks, acknowledging the speaker for his valuable contribution and motivating students to apply traffic safety principles in their professional and personal lives.

Overall, the lecture proved to be highly informative and beneficial, bridging the gap between theoretical knowledge and real-world applications in traffic and transportation engineering.



The poster is for a guest lecture organized by the Department of Civil Engineering at IIMT. It features logos for IIMT, IEE AP-S, NEA, and IIMT College of Engineering. The text reads: 'Department of Civil Engineering is Organizing Guest Lecture on Traffic Awareness Helmet Use, Road Rules, Negligence Consequence'. A photo of Mr. Manish Kumar, Lecturer at IIMT College of Polytechnic, is shown. The venue is Room No. 310, and the date is 18th September 2025, starting at 11:00 AM. Social media links for IIMT are also provided.



Jul.-Sept. 2025

VOLUME XVII, ISSUE III
NEWSLETTER



ROAD
CLOSED

Jul.-Sept. 2025

VOLUME XVII, ISSUE III
NEWSLETTER

Department Of Civil Engineering



CHIEF EDITOR

Prof. (Dr.) Tabassum Abbasi
HOD, Department of Civil Engineering



EDITOR

Mr. Dharendra kumar
Assistant Professor
Ms. Mona Khosla
Assistant Professor



STUDENT EDITOR

Ardaman Gautam, B. Tech (CE)
3rd Year

Muntazir Hussain, B. Tech (CE)
4th Year

Greater Noida Campus

Mob. : +91 9911009144 | +91 9717015300

Plot no. 19 & 20, Knowledge Park III, Greater Noida (U.P.)