

DEPARTMENT OF CIVIL ENGINEERING

ACTIVITY OF 2025-26

“Workshop on: 2D & 3D AUTO CAD Drawing Competition”

A 2D–3D AutoCAD Drawing Competition was successfully organized by the Department of Civil Engineering on 2nd April 2026 at Room No. 308, Cad Lab to enhance the technical skills and creativity of students. The event aimed to provide participants with practical exposure to drafting and modeling using AutoCAD software, which is essential in modern engineering design.

The competition was conducted in two stages: 2D drafting and 3D modeling. In the first stage, participants were given a set of dimensions to prepare accurate 2D drawings within a limited time. In the second stage, they were required to convert the given 2D plan into a 3D model, showcasing their visualization and design abilities. Students from various semesters actively participated with great enthusiasm. Total of 37 students participated in the event. Their work was evaluated based on accuracy, detailing, creativity, and time management. The judges appreciated the innovative approaches and technical proficiency demonstrated by the participants. The event not only improved students' command over AutoCAD but also boosted their confidence in handling real-world design problems. Winners were awarded certificates and prizes in recognition of their outstanding performance. Overall, the competition proved to be a valuable learning experience and a great success. The workshop provided a comprehensive overview of the applications of geotechnical engineering and successfully bridged the gap between theoretical knowledge and practical implementation. It was a valuable learning experience for all participants.

Following are some pictures of the guest lecture along with the creative:



World Environment Day

World Environment Day on 5th June, 2026 11:00 am onwards was successfully celebrated by Civil Engineering Department and served as an effective platform to promote awareness about environmental conservation and sustainable living. The program encouraged participants to understand the importance of protecting natural resources and adopting eco-friendly practices in their daily lives.

A pledge-taking ceremony was organized during the event, in which faculty members pledged to contribute towards environmental protection by conserving resources, minimizing waste, and spreading awareness about sustainability. The event concluded with renewed commitment from all participants to work collectively for a cleaner, greener, and healthier environment. After attending this event, participants were able to:

- 1.Participants gained a better understanding of environmental issues and their impact on society.
- 2.Students learned the importance of sustainable practices such as waste reduction,recycling, and resource conservation.
- 3.Participants developed a sense of responsibility towards protecting and preserving the environment.
4. Students became aware of practical measures that can be implemented to reduce environmental degradation.
- 5.The event motivated participants to actively contribute to environmental sustainability initiatives within the campus and community



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

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

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.



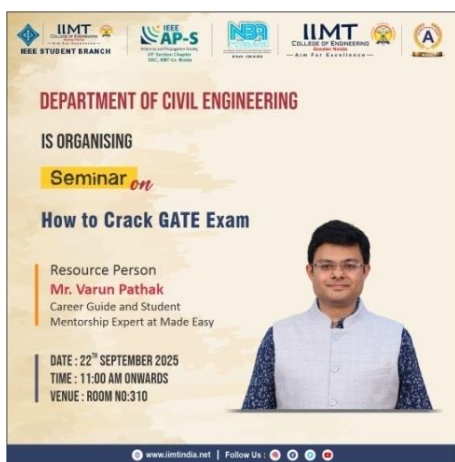
Seminar on “How to crack gate exam”

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.



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.



“Alumni Connect Program”

The Department of Civil Engineering organized an Alumni Connect Program on 7th November 2025 at 11:30 AM onwards. The event aimed at inspiring and guiding students through alumni experiences. The session featured Mr. Girish Kumar, 2021 alumnus, currently working as an RHS Engineer (NOC Team) at S T Tele media Data Centre, Delhi.

Mr. Girish Kumar engaged with students by sharing his professional journey and delivering an insightful talk on “Career Path in Civil Engineering.” He highlighted that civil engineering extends beyond the construction of structures and plays a vital role in shaping communities and addressing real-world challenges. Emphasizing the impact of infrastructure such as roads, bridges, water systems, and sustainable buildings, he motivated students to recognize the societal importance of their chosen field.

The speaker also discussed the diverse career opportunities available in civil engineering, including construction, design, sustainability, project management, and research. He encouraged students to view classroom learning as the foundation of their professional growth and to continuously develop skills that would prepare them for real-world applications.

The session was highly motivated and informative. It also inspired students to pursue civil engineering not just as a career, but as a means to make a meaningful and eternal contribution to the society.



Expert Talk on “Awareness on startup’s and business plan”

The department has organized an expert lecture on **“Awareness on Startup and Business Plan”** with the objective of sensitizing students to the concepts of entrepreneurship and innovation. The session aimed to provide a comprehensive understanding of the startup ecosystem, highlighting the importance of idea generation, market analysis, funding opportunities, and structured business planning.

The lecture was delivered by an experienced industry expert who shared practical insights drawn from real-world startup experiences. The speaker emphasized the essential components of a successful business plan, including vision and mission formulation, product or service development, financial planning, risk assessment, and scaling strategies.

Students from various departments participated actively in the program and interacted with the resource person through discussions and question-and-answer sessions. The lecture proved highly informative and motivating, encouraging students to explore entrepreneurial opportunities and consider startups as a viable career path. The event contributed significantly to enhancing students’ awareness of startups and nurturing an entrepreneurial mindset.



“National pollution control day”

The Department celebrated “**National Pollution Control Day**” on 2nd Dec, 2025 with the objective of creating awareness among students about environmental protection and the urgent need to control pollution. The program highlighted the significance of sustainable practices and the collective responsibility of individuals in safeguarding the environment.

Various activities were organized as part of the celebration, including expert talks, awareness sessions, and student interactions focusing on different types of pollution such as air, water, noise, and soil pollution. The importance of pollution prevention measures, waste management, and the adoption of eco-friendly technologies was emphasized during the sessions.

Faculty members and students actively participated in the event, demonstrating their commitment toward environmental conservation. The program also underscored the relevance of National Pollution Control Day in remembering the Bhopal Gas Tragedy and reinforcing the need for strict environmental regulations and responsible industrial practices.

The celebration successfully enhanced environmental awareness among students and encouraged them to adopt sustainable habits in their daily lives. The initiative reflected the Department’s continuous efforts to promote environmental responsibility and contribute towards a cleaner and healthier society.



“Workshop on Staad Pro and Revit ”

A workshop on **STAAD Pro and Revit Software** was successfully organized by the Department of Civil Engineering to enhance the technical skills of students in structural analysis and Building Information Modeling (BIM). The session aimed to bridge the gap between theoretical knowledge and practical industry requirements.

The workshop was conducted by expert trainers from **DUCAT India Pvt. Ltd.**, who possess extensive experience in structural design and BIM-based project execution. The program witnessed enthusiastic participation from students of Civil Engineering, faculty members, and technical staff.

Objectives of the Workshop

- To provide practical exposure to structural analysis using **STAAD PRO**.
- To introduce students to Building Information Modeling concepts using **Autodesk Revit**.
- To familiarize participants with real-time project modeling and design workflow.
- To enhance employability skills aligned with current industry standards.

The workshop was highly informative and interactive. It provided valuable practical exposure to industry-relevant software tools and improved students' confidence in handling structural design and BIM-based projects. The event was appreciated by both students and faculty members and proved to be a significant step toward strengthening technical competency and career readiness in the field of civil engineering. Overall, the workshop was a great success and contributed effectively to enhance professional knowledge and practical skills among participants.



“Alumni Talk on Waste Management”

An Alumni connect program was conducted by Civil Department on **18th Marc, 2026** 11:00 am onwards. .The speaker for the program Mr **Gaurav Baghel**, 2012 batch pass out. He is currently working **Assistant Manager-Project, GNIDA**. He interacted with the juniors and guided them about the “**Waste Management**” .During this session, alumni members shared their practical knowledge and professional experiences with junior students. They discussed the importance of proper waste management, sustainable practices, and innovative methods used in the industry to reduce environmental impact. The alumni explained different types of waste, their segregation, recycling techniques, and the role of civil engineers in developing effective waste management systems. They also encouraged students to adopt eco-friendly practices and highlighted career opportunities related to environmental and waste management sectors. The session was highly informative and interactive. Students actively participated by asking questions and gaining insights from the alumni’s real-world experiences. Overall, the interaction helped to bridge the gap between academic learning and industry practices while motivating students to contribute toward sustainable development.



“Quiz Competition”

The Department of Civil Engineering organized a quiz competition for students to enhance their technical knowledge and general awareness. The event witnessed enthusiastic participation from various semesters. The quiz includes technical questions, visual identification, and problem-solving related to civil engineering concepts. Faculty members served as quiz masters and judges, ensuring fairness and accuracy throughout the competition. Students actively participated and showcased their understanding of subjects like structural engineering, environmental engineering, and construction technology. The competition created a healthy academic environment, and boosted confidence among participants. Students actively participated and demonstrated strong technical knowledge. The event encouraged healthy competition, enhanced learning beyond classrooms, and boosted confidence.



“Guest Lecture on: Application of Geotechnical Engineering”

A guest lecture on the topic “Application of Geotechnical Engineering” was successfully organized for the civil engineering students. The session aimed to provide practical insights into the role of geotechnical engineering in modern construction and infrastructure development. The lecture was delivered by an experienced expert from the field of geotechnical engineering, Mr. GauriDutt Sharma, Designing Expert, Atal Innovation Mission, who shared valuable knowledge and real-world applications. The session began with an introduction to the fundamentals of soil mechanics, followed by an explanation of soil properties, classification, and behavior under different loading conditions. The speaker elaborated on various applications of geotechnical engineering, including foundation design (shallow and deep foundations), slope stability, retaining structures, and ground improvement techniques. Special emphasis was given to site investigation methods such as soil testing, borehole analysis, and geophysical techniques, which are essential for safe and economical design. The lecture also highlighted the importance of geotechnical engineering in major infrastructure projects such as highways, bridges, tunnels, dams, and high-rise buildings. Case studies of real projects were discussed to help students to understand practical challenges and solutions adopted in the field. Furthermore, the expert discussed modern advancements such as geosynthetics, soil stabilization methods, and the use of software tools in geotechnical analysis and design. The role of geotechnical engineers in ensuring safety, sustainability, and cost-effectiveness in construction projects was strongly emphasized. The session concluded with an interactive question-and-answer segment, where students actively participated and clarified their doubts. Overall, the guest lecture was highly informative and beneficial, enhancing the practical understanding of students and motivating them to explore career opportunities in geotechnical engineering.



“Industrial Visit”

An industrial visit was organized to observe the construction of a luxury commercial project that is being designed and constructed in Greater Noida at Sector Alpha 2, provided with the opportunity to understand the practical application of construction techniques, building materials, and project management. The visit aimed to bridge the gap between theoretical knowledge and real-world construction practices. The project involved the construction of a modern, ultra-luxury Studio Apartments with state-of-the-art facilities.

OBJECTIVE OF THE VISIT

- To observe the construction phases of a commercial project.
- To understand the materials and techniques used in large-scale construction projects.
- To interact with professionals in the field and gain insights into project management.

The industrial visit provided valuable insights into the various stages of commercial building construction, including planning, execution, and safety measures. Students gained a deeper understanding of the challenges faced in managing large-scale construction projects and the importance of teamwork, planning, and quality control. The visit helped to connect theoretical learning with practical application, provided with a clearer perspective on the construction industry.

