


IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —



**Department of
Civil Engineering**



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NEWSLETTER
Oct.-Dec. 2023

From Chief Editor's Desk



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

Dear Readers,

Concrete comes from Latin word 'concretus' means compact or condense. Concrete Technology is the main branch of Civil Engineering. It is defined as the science of concrete processes which deals with terminology, description and uses of concrete. The amount of concrete used worldwide is twice that of steel, wood, plastics and aluminum combined. Concrete is the most important building material. Good quality concrete has many advantages. Concrete is generally graded according to its compressive strength as per IS (456:2000). Standard grade concrete is M20 which is applicable for reinforced cement concrete works for slabs, beams, columns and so on. The high strength has its applications for high rise buildings.

I hope the students and readers would get the insight with this newsletter edition about the latest trends used in concrete technology that are reshaping the construction management

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

A Good
Education
is a Foundation for a
Better Future

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Workshop

“How to Crack Interview With the Help Of Technology in Civil Engineering”

Civil engineering department organised a Workshop on “How to Crack Interview With the Help Of Technology in Civil Engineering” in the month of October,2023.The guest speaker was Mohammed Sameer (Civil Software Expert, Ducat Training School, Noida).

Some of the top Civil Engineering construction technology which are helpful for the students to crack interviews/competitive exams are:-

- Building Information Modelling (BIM)
- Cloud And Mobile Technology
- Drones Or Unmanned Aerial Vehicles (UAVs)
- Virtual Reality
- Augmented Reality
- 3D Printing
- Artificial Intelligence



Mr. Mohammed Sameer Delivering the Talk

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An Educational Tour

“Waste To Wonder Park”

The Waste to Wonder Park, is the world's first theme park featuring the replicas of the iconic seven wonders made from waste products. The Park houses miniature replicas of Taj Mahal (India), Eiffel Tower (France), Leaning Tower of Pisa (Italy), Statue of Liberty (USA), Christ the Redeemer (Brazil), Great Pyramid of Giza (Egypt), Colosseum (Italy).

The total waste that went into creating these structures amounts to 150 tones including industrial and other waste products like scrap iron, discarded automobile parts, broken metal utensils, pipes, etc. A relatively new park, this is a huge crowd favorite and witnesses large footfalls throughout the year. It is also a wonderful example of how scrap or waste products can be put to good use to create something useful and beautiful. The monuments look stunning amidst lush green environs making this theme park a must-visit for nature lovers and shutterbugs.



Students at the 'Waste to Wonder Park'

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Alumni Conclave

On 18th Dec,2023,an Alumni Conclave was organized by the Department of Civil Engineering. The alumni for the conclave were Mr. Gaurav Bhagel, Asst. Manager, Greater Noida Development Authority, Mr. Shivam Srivastav, General Manager, Protocol Valuers Pvt Ltd, Noida, and Mr. Manish Bansal, Entrepreneur KDS Infra Build Con Pvt. Ltd.

The illustrious alumni shared their knowledge about the practical aspect important of Civil Engineering and how to implement them in the project within the scheduled duration. All the above knowledge transfers really benefitted the students and made them more confident and motivated to look forward with a positive approach.



Alumni Conclave In Progress

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Creativity & Innovation

Invention Through 'Make In India'

The Department of Civil Engineering organized a One day Program on “Invention Through Make In India”. The resource person for the event was Dr. Rajinder Singh, Professor, Pusa Institute, Delhi & Dr. Yashwant Koli, Post Doc Fellow, IIT Delhi, It was a whole day activity with 2 sessions. There were 53 students present in the session.

The 'Make in India' initiative intends to train 10 million people in diverse sectors in India each year. To make 'Make in India' a reality, the vast human resource needs to be up skilled. This is significant because India's formally skilled workforce accounts for barely 2% of the population. The primary goal behind this initiative is to create an ecosystem that promotes the growth of startups while also driving long-term economic growth and producing large-scale employment.



Event On 'make In India' In Progress

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Blood Donation Camp

The NSS Club of IIMT College of Engineering, Greater Noida organised “Blood donation camp” activity on 30 November, 2023 in association with Imagine Rotary Club, Greater Noida. The objective of a blood donation camp was to promote enthusiasm among people to help their communities by donating blood. Donors were carefully screened at blood donation camps to ensure that their blood was completely risk-free for both the recipient and the donor.



A Glimps Of Blood Donation Camp

Industrial Visit

An Industrial visit was organized by the Department of Civil Engineering for the students of 3rd year /6th sem on 4 Oct. 23 at campus -2 of IIMT Group of Colleges, Greater Noida.

The main objective of the visit was :-

1. To understand the construction procedure of different components of Building.
2. To learn and understand the precaution & safety at construction project site.

Two faculty members- Mr. Sanjeev Naraiyan & Mr. Harendra Bhati were present with the students at the place of visit. The students and faculty members were welcomed by Project Engineer of Construction site. He explained the procedure of construction of various components of the building in detail. He also explained about the safety measures as well as precautions to be taken during the whole period of the Project. He explained the Procedure and importance of Form work & Curing Process adopted during construction. He further gave a detailed explanation to the students about the different types of building material used in construction and tests carried out on the building material before its use in construction. Students were explained about various equipment such as Concrete Mixer, Earth Excavation/moving equipment; bar bending Machine .



The Industrial Visit in Progress

Seminar

“Staadpro Software”

The objective of the seminar was to analyze about how STAAD can be used for analysis and design of all types of structural projects from plants, buildings, and bridges to towers, tunnels, metro stations, water/wastewater treatment plants and more. STAAD Pro stands for Structural Analysis and Designing Program. It has more flexible and advanced features than Auto CAD, being used in the construction industry. Following are the objectives.

- Analyse gravity and lateral load.
- Check designs for cold-formed sections.
- Complying with seismic requirements.
- Generate design loads and load combinations.
- Utilize international section profiles.



Seminar on Staadpro Software in Progress

Faculty Achievements

Three Patents were published by the Department of Civil Engineering on the following topics:-

- 1. Title : A Novel Papercrete Bricks Made Of Wastepaper**
Name : Dr. Tabassum Abbasi, Mr. Sanjeev Narayan, Mrs Mona Khosla
- 2. Title: A Method Of Sewage And Wastewater Treatment By Sequencing Batch Reactor Process With Improved Efficiency**
Name : Dr. Tabassum Abbasi, Mr. Sanjeev Narayan, Mr. Shelendra Kumar, Mr. Harendra Bhati
- 3. Title: Composition And Process To Improve Black Cotton Soil**
Name : Dr. Tabassum Abbasi, Mr. Sanjeev Narayan, Mr. Shelendra Kumar, Mrs. Mona Khosla

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Department Of Civil Engineering



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