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Department of Civil Engineering

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Technical Talk on Zero Plastic / Sustainability Awareness

A technical talk was organized on 28th Jan, 2022 On Zero Plastic Use. The aim of the talk was to increase public understanding and shape community perceptions on the dangers of plastic pollution and available solutions, thereby empowering more people and organizations to take action. The speaker enlightened that how this plastic usage everyday, has negative impact on the ecosystem, habitats, human health and sustainable development across the world.

Zoom Webinar

Recording

Plastic Waste

150 million MT Plastic Waste is generated globally each year

India alone generates approximately **26000 MT** of plastic waste Daily (As per CPCB Report)

Only 60% of waste is collected & **40% is littered** which is creating negative impact on Land & Ocean

Plastic waste management (Amendment) Rules 2018 has a provision of EPR under section 19(2) to collect back the plastic from environment by the producers

Dr. Radha Goyal

ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS (IOT) IN CIVIL ENGINEERING

From Editor's Desk

Today, Many Artificial intelligence and Internet of Things (IoT) applications have been developed successfully, and often demand low latency and quick responses. With the progressive development of Internet Technologies and Service-Oriented Applications, Artificial Intelligence and IoT plays an increasingly important role in Engineering Management.

Artificial intelligence and IoT technology can connect billions of intelligent machines, allowing communication and smart actions. However, Artificial Intelligence and IoT have not yet been fully applied to the practice of Civil Engineering, especially in the fields of measurement and control. Monitoring and Data Sensing in Civil Engineering are in urgent need of Artificial Intelligence and IoT technology, whose fuzzy processing, integrated intelligence, big data transmission, and other techniques need to be improved to better solve complex problems. In addition, many problems in the field of Civil Engineering, especially in construction measurement, construction management, and engineering control, are influenced by a range of external uncertainties and could be solved not only with the necessary experience of practitioners but could also depend on the advanced Artificial Intelligence and IoT procedures.

Potential topics include but are not limited to the following:

- Intelligent Monitoring Techniques.
- Data Predictive Analytics.
- Smart Sensors
- Internet of Things (IoT) and Civil Engineering
- Artificial intelligence and Civil Engineering
- Advanced Measurement Techniques
- Advanced Control Techniques
- Civil Engineering Management Systems



Dear Readers,

As the editor of Nirmaan, a Civil Engineering Department quarterly newsletter, I would like to start by conveying my regard to all the team members of editorial board and faculties who supported me for making this happen. This special edition is reflection of Departmental activities– the achievements, the spirit of all the students and teachers, fantasies and goals, experiences and everything that is a part of the B.Tech in Civil Engineering course.

It includes curricular, co-curricular or extra– curricular activities during this semester due to Covid-19 Pandemic. The Department of Civil Engineering, established in 2009 having an intake of 150 seats, offers B.Tech course. The department emphasizes a deep understanding of fundamental principles and knowledge of Theory of Structures , Geotechnical Engineering , Transportation Engineering, Water Resources Engineering and Environmental Engineering .

I congratulate the entire civil engineering department faculties, staff and students for their contribution to department activities and look forward for future developments. Heartiest congratulations to the Editorial Board .

Tabassum Abbasi
Chief Editor & HOD Dept. of CE

IIMT COLLEGE OF ENGINEERING, GREATER NOIDA

“One day Workshop on Impact of Technology on Future Employability in Built Environment”

Civil students attended and participated in a Workshop on Impact of Technology on Future Employability in Built Environment conducted by Prof. Anupam Saxena, Associate Dean & Director - School of Real Estate, RICS School of Built Environment, Amity University, Noida.

Students understood about the importance for construction firms to start making use of more innovative construction technology, especially in the current era. It is very important for construction firms to make use of innovative technologies because it will enable them to firstly win more projects, and secondly, it will also help them to gain better financial results on the project. The professionals in the construction industry need to make use of construction technologies in order to stand a chance to be competitive in the industry.

The establishment and efficient use of these innovative technologies will surely increase the competitiveness of construction firms. These advantages stem from distinctive improvements in operations, technical capability, and the construction firm will be seen as a company that makes use of modern construction technologies.



“ALUMNI CONNECT PROGRAM”

An Alumni connect was conducted by civil department on 24th Feb,2022 at 11:00 AM. The guest for the connect was Mr.Azeem Ashraf ,2020 pass out. He is currently working as Site engineer and Billing engineer,Vihaan Group . He made the juniors learnt about the working on site. The constructional aspects and how to do billing of the materials. Juniors had really enjoyed the session. The Coordinator of the program was Ms.Mona Khosla.



“World Water Day”

On the occasion of “World Water Day”program was organized which was started with a documentary presentation about the importance of water and also a guest lecture was delivered on the topic of emphasizing on water conservation, treatment of waste water and rain water harvesting methods. On this occasion, a poster competition

was also conducted.



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