



A Quarterly Publication of
Department of Civil Engineering

Volume IV, Issue 2, Jul-Sep, Quarterly Edition 2022



CIVIL ENGINEERING is "a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built ..."

EMERGING TRENDS IN CONSTRUCTION TECHNOLOGY AND CIVIL ENGINEERING IMPACTING THE CONSTRUCTION INDUSTRY

Civil engineering is a discipline of engineering that deals with the design, construction, and development of the infrastructure around us. It is the oldest branch of engineering.

The emerging trends of civil engineering can be recognised by the arrival of new construction technology. Construction technology is transforming civil engineering with new approaches towards modernizing workflows. Today, the software has become a necessity to complete the work on scheduled time as the industries are drastically changing with the landscape of new projects and adopting new strategies to complete the work on time. BIM, 3D printing, big data, artificial intelligence, cloud processing, drones, and ethical surveillance are all major components of a new vistas in construction technology leading to reduction of capital and labour costs, while increasing efficiency at work with precision, accuracy and time.

From Editor's Desk



Dear Readers,

As the editor of Nirmaan, a Civil engineering department quarterly newsletter, my vision is to develop constructive thinking and analytical capabilities of every student of Civil Engineering Department.

Our department is committed to provide students with a strong, broad based fundamental engineering education and prepare the students for a career in the industry, teaching and national laboratories.

We also plan to develop entrepreneurial skills in students through summer internships so that they would drive the spirit of growth of our economy and would be able to generate employment opportunities for other qualified and skilled people.

I personally look forward to integrate my experience of over 18 years in teaching and research into the learning systems and the collective efforts of the faculties in the department and build a comprehensive methodology that encompasses whatever that matters for nurturing the minds of our students.

I look forward for preparing my students to face the challenges; the technology and engineering sector would offer in future and succeed in offering technological solutions for the betterment of the society and our nation. Wishing all our students brilliant and bright future.

TabassumAbbasi

Chief Editor & HOD Dept. of CE

IIMT COLLEGE OF ENGINEERING, GREATER NOIDA

Guest Lecture on “Role Of NGO’s in Developing Entrepreneurship and Startups”

The Department of Civil Engineering organized a guest lecture on “Role Of NGO’s in Developing Entrepreneurship and Startups” .The speaker was Ms.R.K. Usha, President ,Vikas Vishranti Charitable Trust -a NGO. She started her NGO which has been working with underprivileged children in Greater NOIDA with focus on education and skill building.

Having started with 11 children in one locality in 2011, it has expanded to reach out to over 600 children in six sites in 2020. The Trust has accreditation from NIOS and the children can appear directly for their class 5th and 8th examination. Skill building is another focus area of the organization and the children are taught various handicrafts, stitching, embroidery, basic computer among others to enable them to earn a living in the future. However these facilities – sewing machines, computers - are presently available at our main centre - said Ms.Usha while sharing her experiences of how she became an entrepreneur.

INSTITUTION'S INNOVATION COUNCIL
Ministry of Education (India)

IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

MoE IIMT ENGINEERING INNOVATION CELL & DEPARTMENT OF CE ARE JOINTLY ORGANISING

Session On

ROLE OF NGOS IN DEVELOPING ENTREPRENEURSHIP AND STARTUPS

Speaker
Ms. R. K. Usha
President,
Vikas Vishranti Charitable Trust, Greater Noida

COORDINATOR
Ms. Mona Khawla
Assistant Professor,
IIMT College of Engineering

PATRONS

Dr. S.S. Tyagi Director, IIMT College of Engineering	Dr. Sanjay Pachauri President, IC IIMT College of Engineering	Ms. Taksum Abassi HOD, CE IIMT College of Engineering
---	--	--

Date: 27th August, 2022
Time: 02:00 PM - 03:00 PM
Mode Online [YouTube Live](#)

www.iimtindia.net | [@iic.iimt](#) | [@iimtic](#) | [@iic-iimt](#) | [@iimtGroupofColleges](#)



“Waste to Best Model Exhibition by Single Use Plastic”

A model exhibition was organized by the Department of Civil Engineering to enhance awareness about the use of plastic, one of the most prevalent causes of pollution. It has devastating impact on oceans, sea animals and hydrophytes.

Therefore ban on single use plastic is very important. We need to understand various problems caused by the single use plastic. It is therefore obvious that we should stop using single use plastic items unless it is very necessary, and move towards environment friendly products and services.

We should also come up with technologies that recycles plastics more efficiently so that plastic wastes are recycled and reused.

These exhibitions are simple but effective ways for our children to understand the need of the hour - to make the best out of waste, for competitions or as a past-time, and also learn to reduce the waste generated in our homes and dumped in landfills by making pen stands, decorative flower pots, hangings etc.



Chief Editor:

Mrs .Tabassum Abbasi,

Co-Editors:

Mr.Sanjeeva Narain Singh , (A.P.,CE Deptt.)

Mr.Satyaveer Singh, (A.P. , CE Deptt.)

Ms Mona Khosla (A.P. , CE Deptt.)

Student Editors:

Ms. Neha - CE-IV Year

Ms. Aditi Sdigh -C.E.-IV Year

Mr.Shivam Agarwal -CE-IV Year