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Department of Civil Engineering

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AUTOMATION & ROBOTICS IN CONSTRUCTION TECHNOLOGY & CIVIL ENGINEERING

From Editor's Desk

Civil Engineering Construction Projects are mostly labour oriented with manual handling of works by skilled and unskilled work force leading to health hazards and accidents for the workmen.

Today with recent advancements in the field of Computer Science and Engineering, various activities are programmed into software driven technology as the brain behind the working of machines. This results in automation of activities.

A live example is the concrete producing, transporting and pumping technology, delivering the concrete exactly at the work place, continuously at high precision and best quality. Ready-Mix Concrete has helped Construction Industry on large construction projects.

Construction activities being repetitive, automation helps in completing them faster without human error, thereby reducing activity time, effort and cost.

Automation results in better production rates, increased efficiency, better quality with reduction in wastage of construction materials.

Robots are artificial intelligence units linked to machines which can perform hazardous task, remove human errors, increase safety in construction activities and reduce construction time.

It is difficult to imagine Robots without automation. Robots can work in extremes of temperature without getting tired. Robots in Construction Industry will change the work culture.

Automation invokes life into
Robots and is the soul (atma) of
Robots.

---Prof.Sanieeva Narain Singh



Dear Readers,

With the ringing in of new year 2023, I wish all the readers of this Magazine "Happy New Year 2023".

October to December 2022 has been very hectic with a Grand Welcome Extravaganza to our `FRESHERS`, with so many cultural, technical, sports and social activities taking place throughout the Semester.

I am working towards creating a special Computer Lab for my students within my department for specialized software training applications in Civil Engineering. This would enhance the computer skills of my students in advanced technology of tomorrow.

"Evolution Expo" Engineering Exhibition has stolen the limelight with excitement among young budding research scientist of tomorrow, their talent was on display, and appreciated by dignitaries and engineering specialists as well as other luminaries of science and technology.

"Always strive for perfection in everything you do".

Tabassum Abbasi

Chief Editor & HOD Dept. of CE

AZADI KA AMRIT MOHOTSAV

IIMT COLLEGE OF ENGINEERING, GREATER NOIDA

WORKSHOP ON

“Entrepreneurship and Innovation On Career Opportunity”

On 12 Oct 2022, the Department of Civil Engineering organized a workshop on ‘**Entrepreneurship and Innovation On Career Opportunity**’, under the aegis of ED cell and IIC. The Chief Guest was Mr. Jitendra Tiwari a postgraduate from IIT Delhi in Manufacturing Technology.

Mr Tiwari explained the importance of Entrepreneurship & Innovation. The session was very interactive between the speaker and the students. The workshop helped in bringing about awareness on Entrepreneurship Life Cycle and India’s ranking in global entrepreneurship activity as also how to start an innovative start-up.

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

Organized by Civil Department under IEI

Workshop on

ENTREPRENEURSHIP AND INNOVATION ON CAREER OPPORTUNITY

Speaker
Mr. Jitendra Tiwari
Masters in Manufacturing, IIT Delhi
Senior Faculty- IES

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

PATRONS
Dr. S.S. Tyagi | Ms. Tabassum Abassi
Director | HOD, CE
IIMT College of Engineering | IIMT College of Engineering

Date: 12th Oct., 2022
Time: 11:00 AM - 12:30 PM
Venue - SARABHAI HALL

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TECHNICAL QUIZ

On 14th October 2022, a **Technical Quiz Competition** was organized in which 59 College students participated with great interest and enthusiasm. The event was a grand success and the glittering prize distribution ceremony stole the show.



IIMT

COLLEGE OF ENGINEERING

Greater Noida

— Aim For Excellence —

Department of Civil Engineering

(under Nirvan Club)

is organizing

Technical Quiz

— Competition —

Date - 14th October, 2022 | Time - 11:00 AM

Mode : Online

PATRONS

Dr. S.S. Tyagi
Director
IIMT College of Engineering

Ms. Tabassum Abassi
HOD, CE
IIMT College of Engineering

COORDINATOR

Mr. Harendra Singh Bhati
Assistant Professor
IIMT College of Engineering

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2nd N.C Gupta Memorial Football Tournament-2022

at

Jamia Millia Islamia Sports Complex, Delhi.

IIMTASHRAE India Chapter feels glad to share glimpses of the 2nd Edition of the Inter College Football Tournament held on 1st October, in memory of Lt. Sh. N.C. Gupta- the legend in the HVAC fraternity. The event was a huge success and was attended by Mr. Sunil Gupta- S/O Sh. N.C. Gupta, apart from the other dignitaries like Mr. Abid Husain, Mr. Richie Mittal, Mr. Kanagaraj Ganesan, Mr. Rajesh Jain, Dr. Rajinder Singh, Mr. Abhishek Jain, Mr. Ashish Gupta, Mr. W. Siddiqui, Mr. Ankit Anand, Mr. Rakesh Chauhan - Director Hisense, Mr. N. Gandhi - Hisense, Mr. Nitish Mathur of DRI, Mr. P. Jain - Airflow, and also SBAs like Mr. Satyaveer Singh -IIMT College of Engineering, Dr. Vaibhav Jain -MAIT College.

The participating teams were RICS School of Built Environment, Amity University, Pusa Institute of Technology, Maharaja Agrasen Institute Of Technology, Delhi Technological University, IIMT College of Engineering, and ABES Engineering College.

The winner of the Tournament was ABES Engineering College. 1st runner-up was the Pusa Institute of Technology and 2nd runner-up was the IIMT College of Engineering, Greater Noida.



Prize Distribution Ceremony

Glimpses of Football Tournament-2022



IIMT College Team Members



Team members with Satyaveer Singh, faculty of IIMT College of Engineering


GUEST LECTURE
ON
ROBOTICS CONSTRUCTION PRACTICES IN INDIA

On 16 Nov 2022, Department of Civil Engineering organized a guest lecture on “Robotics Construction Practices in India” under ISTE. The guest speaker was Mr. Anupam Saxena, Head of University Partnership and Early Engagement, RICS South Asia.


The speaker spoke on the increasingly important role of Robotics and Automation in the construction industry in the next decade and emphasized on the need of cutting edge technology due to dynamic and unstructured nature of the construction environment.

Recent progress of robotics in the other industrial fields has shown a great possibility to promote the automation of the complicated construction processes.

More than 50 students and faculty members attended this guest lecture in Sarabhai Hall.



ED Cell
IIMT COLLEGE OF ENGINEERING




IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

Organising by ED Cell and Civil Engineering

— Guest Lecture on —

ROBOTIC CONSTRUCTION PRACTICES IN INDIA

under ISTE



Speaker

Mr. Anupam Saxena

Head, University Partnerships &
Early Engagement,
RICS, South Asia

Date: 16th November, 2022

Time: 10:30 AM – 11:30 AM

Mode : Offline

FACULTY COORDINATOR


Mr. Satyaveer Singh

Dy. HOD, CE
IIMT College of Engineering

STUDENT COORDINATOR

Gaurav K. Sinha (3rd Year)

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GLIMPSES OF THE GUEST LECTURE



Mr. Anupam Saxena, Head of University Partnership and Early Engagement, RICS South Asia addressing the faculty and the students



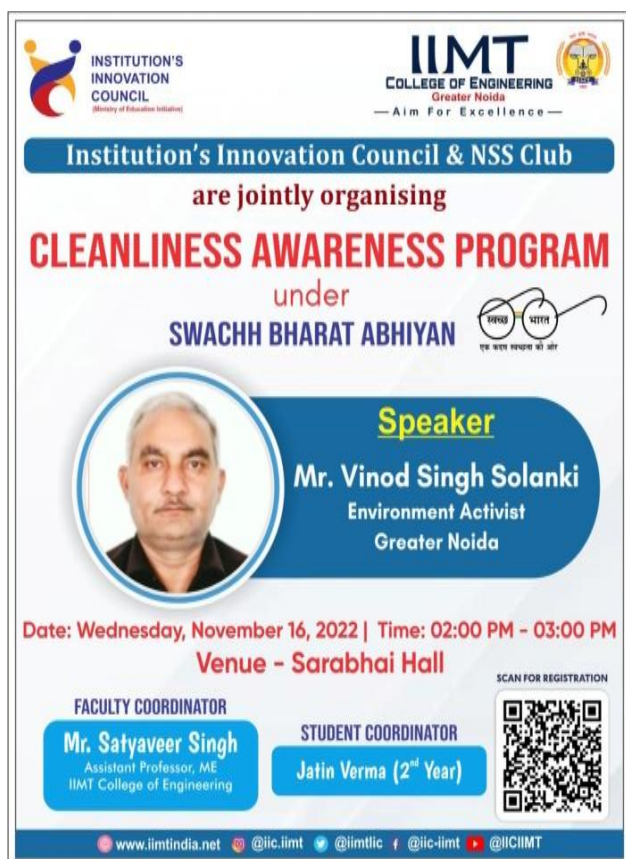
IIMT students & faculty members attending the Guest Lecture

Swachh Bharat Abhiyan

“Cleanliness Awareness Program”

On 16th November 2022 the NSS Club of IIMT College of Engineering, Greater Noida organized a “Cleanliness Awareness Program” under the theme “Swachh Bharat Abhiyan”.

More than 50 students and faculty members participated in “Cleanliness awareness program”. Cleanliness is the path to greener environment and better tomorrow. Cleanliness is next to Godliness. However, some of us don't even respect the people who clean the trash. “A clean India would be the best tribute India could pay to Mahatma Gandhi on his 150 birth anniversary in 2019,” - said the Prime Minister at the launch of the Swachh Bharat Mission at Rajpath in New Delhi. On 2nd October 2014, Swachh Bharat Mission was launched throughout length and breadth of the country as a national movement. The campaign aimed to achieve the vision of a ‘Clean India’.



INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiatives)

IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

Institution's Innovation Council & NSS Club
are jointly organising

CLEANLINESS AWARENESS PROGRAM
under
SWACHH BHARAT ABHIYAN

Speaker
Mr. Vinod Singh Solanki
Environment Activist
Greater Noida

Date: Wednesday, November 16, 2022 | Time: 02:00 PM - 03:00 PM
Venue - Sarabhai Hall

FACULTY COORDINATOR
Mr. Satyaveer Singh
Assistant Professor, ME
IIMT College of Engineering

STUDENT COORDINATOR
Jatin Verma (2nd Year)

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The Chief Guest being presented the memento

MEGA TREE PLANTATION DRIVE 'GO GREEN AND PLANT A TREE'

On 18th November 2022, the Environment Club of IIMT College of Engineering, Greater Noida organized a **Mega Tree Plantation Drive** under the theme 'Go green and plant a tree.'

In order to save earth from global warming and human deeds like afforestation, students of IIMT College of Engineering, Greater Noida planted trees in plot no-19, knowledge park-III, Greater Noida near IIMT College of engineering surroundings. Students brought different types of 100 saplings from Vinod Solanki Park Beta-1 Gr. Noida.

Vinod Singh Solanki is an environment activist of Gr. Noida region who has been working since five years to make India green and clean.

The chief guest of the event was Dr. S.S Tyagi, Director IIMT College of Engineering.

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

Institution's Innovation Council (IIC - IIMT) and Environment Club
are jointly organising
MEGA TREE PLANTATION DRIVE
GO GREEN & PLANT A TREE
VENUE
PLOT NO. 19, KNOWLEDGE PARK III, GREATER NOIDA
Date : Friday, November 18, 2022 | Time : 02:00 PM Onwards

FACULTY COORDINATOR
Mr. Satyaveer Singh
Environment Club

STUDENT COORDINATORS
Rishav Kumar Ray
Saurabh Kumar
Sarthak Jain

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IIMT Students Planting Trees during the Event

GLIMPSES OF PARENTS TEACHERS MEETING

Department of Civil Engineering



Parents of Anoop Kumar B. Tech Civil 4th Year



Parents of Aishwaria B. Tech Civil 4th Year

GLIMPSES OF PARENTS TEACHERS MEETING (contd)



Parents of Md Owais B. Tech Civil 3rd Year



Parents of Saurav Yadav B. Tech Civil 3rdYear

GLIMPSES OF PARENTS TEACHERS MEETING (contd)



Parents of Priya Dubey B. Tech Civil 3rdYear



Parents of Rahul B. Tech Civil 3rd Year

GLIMPSES OF PARENTS TEACHERS MEETING (contd)



Parents of Aman B. Tech Civil 3rd Year



Parents of Rishav Kr Ray B. Tech Civil 3rd Year

ONLINE PARENTS TEACHERS MEETING

Online meeting with parents of Anant Haku –

<https://meet.google.com/vpr-xmcc-von>

The Editorial Board

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Mr. Satyaveer Singh, Associate Professor

Ms Mona Khosla Associate Professor

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