



# Polyयांत्रिकी



Jan-March 2021



Apr-Jun 2021



July-Sept 2021



Oct- Dec. 2021

**Scan & Read Newsletter 2021 Edition**



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## MANAGEMENTCORNER

**Dr. Bhaskar Gupta**

Dean Academics

IIMT College of Polytechnic.

**GREEN ENVIRONMENT**

As humans, we have a responsibility to protect and care for the environment in which we live.

Humanity has made great progressions in science, technology, agriculture, and the economy, but the environmental impact has been detrimental with those advancements. Over time, we see an increase in pollution and a gradual decline in our air and water quality, even the quality of our food. Maybe you're concerned about the quality of the environment, and you're wondering what you can do to make a difference.

The positive moments are transforming human minds and building moral sense to transform our life.

Many corporate and governments establishments are actively involved in this Green Plantation moments as their CSR (Corporate Social Responsibility). This initiative will definitely help our future generations, so that they can live in happy and healthy environment. Even we have observed that school going students are striving their level best to keep fresh air and provides oxygen.

Maybe you're looking for a community so you can help make a more significant impact to protect the environment from pollution. Or maybe you'd like to discuss this idea with someone. It is the duty of every citizen to save our motherland.

***Some of the major benefits are as below:***

- a. It helps to control the global warming.
- b. It attracts tourism.
- c. It helps marine life and life on earth.



URJA 2K22 ( 28<sup>TH</sup>Feb 2022)

IIMT College of Polytechnic, Greater Noida has organised URJA-2K22 on 28<sup>th</sup> Feb 2022. Around 300 participants took participation from different colleges/universities and schools from Delhi/NCR. Mr. Dharmendra Saxena, BSA Gautam Budh Nagar was the Chief Guest in this Event. Chief guest expressed that games and activities do not keep us physically healthy only but also keep mind healthy and fit.

Event was opened by Prof. Umesh Kumar, Director, IIMT Colleges of Polytechnic, Greater Noida. He expressed the importance of games activity in life, which is one of the way to make the life disciplined. Students participated in the number of activity like Lemon Race, Three Legged Race, Chess, Table Tennis, Carrom, Badminton, Tug of War, Kabaddi, & Volley Ball etc. Medals and Cash Prizes were distributed by the Chief Guest, Director, Deans and HODs. The Event was called off by Director and Vote of thanks by Mr. Zakir Ali.



# Department of Electrical Engineering



## Guest Lecture on Research Paper Writing

Department of Electrical Engineering, organized a Guest Lecture on “Research Paper Writing” on 26<sup>TH</sup> February, 2022, under the Guidance of Mr. Umesh Kumar, director, IIMT Polytechnic. In which Dr. Bhaskar Gupta, Dean academics IIMT Polytechnic and Mr. Achal Kumar, Head EE were also present in the session. The coordinator of the event was Mrs. Anshumann Anshu, Lecturer, Electrical Engineering. The objective of the Guest Lecture was to understand the primary purpose of an academic research paper writing and ways to get started with the writing process. The Lecture also helped to understand barriers associated with writing a research paper.



**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of Education Initiative)

**IIMT**  
COLLEGE OF POLYTECHNIC  
Greater Noida  
— Aim For Excellence —

**IIC, IIMT College of Polytechnic**  
Organizing by Department of EE

**Guest Lecture on**  
**Research Paper Writing**

**Speaker**  
**Dr. Amar Ratan**  
Senior Research Fellow  
Guru Gobind Singh Indraprastha University

**PATRONS**

Prof. Umesh Kumar  
Director  
IIMT College of Polytechnic

Dr. Bhaskar Gupta  
President - IIC Cell  
IIMT College of Polytechnic

**COORDINATOR**  
Ms. Anshumann Anshu  
Lecturer, Dept. of EE  
IIMT College of Polytechnic

**Venue : Vishveshwarya Hall**  
**Date: 25<sup>th</sup> February, 2022 | Time: 11:00 AM Onwards**

www.iimtindia.net @iic.iimt.poly @iic\_iimt @IIC-IIMT-Polytechnic @iimtGroupofColleges

Dr. Amar Ratan, senior research fellow, Guru Gobind Singh Indraprastha University , was the guest speaker for the session. He said that for a quality research it is very important to have the highest standards of integrity, impartiality and respect for data. The session was followed by Question and Answer round; queries of faculty members were answered by our speakers Mr. Achal Kumar, delivered an Opening Remark, he highlighted the importance and relevance of the topic in the current scenario, he also proposed vote of thanks to our distinguished speakers and participants.

All the Faculty members and students found this program very educative and informative.



# Department of Civil Engineering



## INDUSTRY VISIT

Department of Civil Engineering has organized Industrial visit. It was done on 22<sup>nd</sup> February. Mr. Manish Kumar was the co-ordinator of the event. The main reason for choosing this site is for observation process and to see the theoretical knowledge being fitted in practice is that this construction site was implementing. Students learnt that the foundation of strong business is the nurturing of all our stakeholder relationships and strong. The company takes utmost pride in robust processes that fortifies our every action toward design. Students gain practical knowledge of their upcoming chosen career path.





# Department of Mechanical Engineering

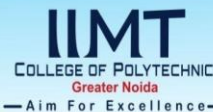


## Online Quiz on Innovation , Startup and

Department of Mechanical Engineering has organized Online Quiz on Innovation, Start Up and IPR. It was conducted on 22<sup>nd</sup> February, 2022. Mr. Pawan Kumar was the coordinator in this event.

The primary goal of this quiz is for students to generate effective deep knowledge about the topic IPR and Startup. The main objective of this online quiz includes:

- To provide the basic knowledge about Innovation and Design thinking.
- To provide the basic knowledge about IPR and its patent.
- Being an engineering students they should have basic knowledge about startup up and entrepreneurship.
- By this quiz students also got idea that how to appear in online competitive exam.



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**DEPARTMENT OF MECHANICAL ENGINEERING IS ORGANIZING**

**ONLINE**

# QUIZ!

**COMPETITION ON  
INNOVATION, STARTUP AND IPR**

**Date : 22nd February, 2022 | Time : 11:00 AM to 12:00 PM**

**COORDINATOR**

**Mr. Pawan Kumar**  
Assistant Professor  
IIMT College of Polytechnic

MODE ONLINE

 Microsoft Teams



SCAN FOR REGISTRATION

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**Winners of the activity:**

First Position : Nishat Raj and ( ME – 2P)

Second Position : Aman Chandra ( ME -3P)

Third Position : Chetan Dixit ( ME- 3P)

 **Guest Lecture**

Department of Mechanical Engineering conducted a guest lecture on 2<sup>nd</sup> March, 2022. The co-ordinator was Mr. Tribhuwan Singh. The resource person for the Event, Mr. Steven David Sir was from Greater Noida. He emphasized on diverse software tools used in research industry. The students gained knowledge about the Drone and its types used in different purposes in different fields

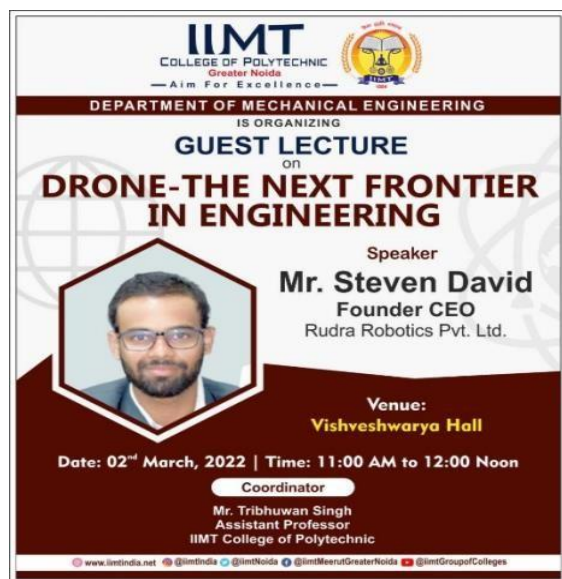
Topic of the Speaker was relevant to area of interest/job. Speaker was able to explain the topic clearly & used relevant examples.



Speaker was able to make the lecture interactive & made me feel engaged. Speaker was able to positively influence my views towards (mention topic over here) in near future; I would like to attend more lectures from the same Speaker.

The lecture by the speaker focused on introduction of Drone and its applications. The session was highly interactive and reflected the related insights into the various advantages of using different types of drones. The session was beneficial to the 2<sup>nd</sup> year and 3<sup>rd</sup> Year Polytechnic Mechanical Engineering Department students.

Overall development of students and they learned about Drone and its type related to Mechanical engineering which is helpful for their career growth.



## Faculty Corner

### ❖ Achievement of the Faculty

#### Best Employee of The Month



Mr. Dharmendra Kumar  
Jan,22

Mr. Tribhwan Singh  
Feb,22



Mr. Awadshesh Kumar, March,22

## Faculty Corner



### GREEN BUILDING

Mr. Mainuddin Khan

Lecturer

Civil Engineering Department IIMT  
College of Polytechnic

Despite the increasing square footage of green buildings worldwide, green building expertise remains largely in the domain of building industry professionals. However, the performance of and advocacy for green buildings would benefit from a green building literate general public. The work here developed educational tools for connecting green buildings and science education through a multi-step process. An interdisciplinary literature review yielded a series of frameworks that were improved through two focus groups with science and environmental educators and built environment professionals.

The overarching goals of building “green” are to reduce the social and environmental impacts of the built environment while improving the quality of life for occupants within buildings. In the USA, residential and commercial buildings consume 40% of total energy consumption and 75% of all electricity produced. The contemporary green building movement promotes buildings that lessen these environmental impacts through better building construction (e.g., less construction waste), building operation and maintenance (e.g., water and energy conservation and better indoor air quality), and lifecycle considerations (e.g., recycling and deconstruction at the end of a building’s life. However, the problem remains that few people outside the building industry understand the myriad benefits of building green. Public green building education matters for a variety of reasons. To begin, people are life-long building consumers and occupants within buildings can be crucial agents of change for resource conservation measures such as energy efficiency and material. A building’s design and resultant ecological performance may depend on occupant behaviors such as minimizing space heaters under the desk, turning off lights, and knowing when to close or open a window. Additionally, for residential structures, many people will at some point in their lives own and maintain, or rent and seek to improve, their own homes. Adults will increasingly need to engage with tax incentives for green home features and learn how to do home renovations or consult professionals for upgrades like better insulation, water efficient fixtures, or solar panel installation.

## Student Article



### GLOBAL WARMING

Mayank ME (P) 3<sup>rd</sup>  
year IIMT College of  
Polytechnic

~Puzzle of Oct-Dec 2021, Issue-VIII, Volume –XII

#### SOCIAL MEDIA PUZZLE

$$\begin{aligned} \text{YouTube} + \text{YouTube} + \text{YouTube} &= 21 \\ \text{Facebook} \times \text{YouTube} + \text{Facebook} &= 72 \\ \text{Instagram} \times \text{Facebook} + \text{Instagram} &= 80 \\ \text{YouTube} + \text{Facebook} \times \text{Instagram} &= ? \end{aligned}$$

#### Explanation

$$\begin{aligned} \text{Equation 1: } 7 + 7 + 7 &= 21 \\ \text{Equation 2: } 9 \times 7 + 9 &= 72 \\ \text{Equation 3: } 8 \times 9 + 8 &= 80 \\ \text{Equation 4: } (7 + 9) + 9 \times 8 &= 16 + 72 \\ &= 88 \end{aligned}$$

The Earth is warming up, and humans are at least partially to blame. The causes, effects, and complexities of global warming are important to understand so that we can fight for the health of our planet.

Global warming is the long-term warming of the planet's overall temperature. Though this warming trend has been going on for a long time, its pace has significantly increased in the last hundred years due to the burning of fossil fuels. As the human population has increased, so has the volume of fossil fuels burned? Fossil fuels include coal, oil, and natural gas, and burning them causes what is known as the "greenhouse effect" in Earth's atmosphere.

The greenhouse effect is when the Sun's rays penetrate the atmosphere, but when that heat is reflected off the surface cannot escape back into space. Gases produced by the burning of fossil fuels prevent the heat from leaving the atmosphere. These greenhouse gasses are carbon dioxide, chlorofluorocarbons, water vapor, methane, and nitrous oxide.

Sometimes these phrases are used interchangeably, however, they are different. Climate change refers to changes in weather patterns and growing seasons around the world.

### Puzzle of Jan-March 2022, Issue-IX, Volume –XII

$$\begin{aligned} \text{Banana} + \text{Banana} &= 30 \\ \text{Cherry} + \text{Cherry} &= 20 \\ \text{Apple} + \text{Apple} &= 8 \\ \text{Banana} + \text{Cherry} \times \text{Apple} &= ? \end{aligned}$$

# Reviewer Page

*We express sincere thanks to the reviewers of this newsletter for giving his/her precious, valuable and encouraged and voluble suggestions.*



*IIMT College of Polytechnic is one of the best Diploma College which has taken such a great initiative to release the newsletter which is really important and resourceful for the students as well as for faculty members. I find this Newsletter Innovative and attractive with well draft and professional manner. I wish all the best to the team Newsletter.*

**Dr. Jitendra Kumar Nagar**  
Founder - ESDA

*I am extremely glad to see such Innovative Newsletter. Newsletter is drafted with good information and attractive QR Code version. My heartiest Best Wishes to the Management and Editorial Board Team to come up with such innovative Newsletter which is the need of the current era.*

**Dr. Aparna Sethi**  
Founder – ProTouch





# Editorial

## Board Members

FROM THE

EDITOR'S  
DESK

Dear Readers,

This thanks of note goes to all the contributors like Dean Academics, HoD's - Electrical, Mechanical, Civil, Event Coordinators, Faculty and students those who have contributed their articles to make this Newsletter complete. At the last but not least thanking to Director Sir for his guidance , vision and time.

**PATRON**

Prof. Umesh Kumar  
Director

**CO-PATRON**

Dr. Bhaskar Gupta  
Dean Academics

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