

Newsletter

Polyयांत्रिकी



Jan- Mar 2022



Apr- Jun 2022



July- Sep 2022

Scan & Read the Previous Three News Letter



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- Faculty Corner
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- General Corner



Greater Noida, Uttar Pradesh, India
IIMT COLLEGE OF POLYTECHNIC, IIMT COLLEGE OF MANAGEMENT,
Knowledge Park III, Greater Noida, Uttar Pradesh 201310, India
Lat 28.479985°
Long 77.490637°
21/11/22 12:19 PM GMT +05:30

Namauli, Uttar Pradesh, India
FFJR+CM5, Knowledge Park III, Namauli, Uttar
Pradesh 201310, India
Lat 28.481016°
Long 77.491719°
15/11/22 11:20 AM GMT +05:30

Greater Noida, Uttar Pradesh, India
IIMT COLLEGE OF POLYTECHNIC, IIMT COLLEGE OF MANAGEMENT,
Knowledge Park III, Greater Noida, Uttar Pradesh 201310, India
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MANAGEMENTCORNER



Dr. J.K. Sharma

Executive Director

IIMT Group of Colleges

Relevance of Management Education

An increasing rate of change in technology and value system affects every phase of our lives. The pace of managerial innovations and changing economic, political and social patterns is such that obsolescence, technical and/or professional competence is an ever-present threat. The attitudes toward psycho-socio-economic factors such as population growth, family pattern and pollution, are changing very rapidly. Thus decision-makers must anticipate such changes, predict its impact, and plan directions.

Management is the integration of efforts, design of organizational structure, acquisition and judicious use of resources, motivating people, providing leadership, planning strategies, controlling, innovating, and otherwise creating an environment in which individual, group, and organizational objectives can be achieved. Any formal model to depict complex reality of any system may become difficult to formulate, solve, and implement. Decision-maker must make certain simplifying assumptions in practice. The usual approach is to analyze the problem in economic terms and then implement the solution only if it does not violate human, social, and political constraints.

The term 'Management' has certain connotations, implications, and aspects such as:

Management is a *dynamic* concept as managerial decisions that are made are always in a state of flux. Hence, decision-makers are required to consider not only economic but other criteria such as human, social and political while making decisions in a changing environment.

Management is complex and social as it involves people and their interpersonal relationships; leadership, motivation, productivity, morale; and an innumerable combination of technical, economic, political, psychological, and social factors.

Management is *multidimensional* as problems and their solutions have consequences in several dimensions, particularly economic, physical, social, psychological, political and technical.

Management is *universal* because in all organizations, regardless of their specific objectives, type of work, geographical or cultural environment, required to be properly managed. Without proper management social structure cannot survive the stresses and strains created by an amazing fast rate of social and technological change.

Management is viewed as *a function*, a process, a profession, and an elite or a class of people, an art and a science. Along with material, capital (money), and labor (men), management is also considered as a resource.

As a function, it refers to the type of tasks and activities that are performed by managers. The specific natures of the activities are determined by managerial functions as planning, organizing, directing, leadership, and control.

Management is viewed as a *science* because a substantial portion of management consists of "*phenomena that can be measured, relationships that can be represented quantitatively, and conclusions that can be tested experimentally.*" In other words, knowledge and experience can be accumulated systematically, and the tested procedures can be utilized by decision makers.

HUNAR 2K22 (21st Nov 2022)



IIMT College of Polytechnic, Greater Noida has organised HUNAR-2K22 on 21st Nov 2022. Around 200 participants took participation from different colleges/universities and schools from Delhi/NCR. Shri Shailendra Bahadur Singh, social Welfare Officer, GautamBudh Nagar was the Chief Guest in this Event.

Event was opened by Prof. Umesh Kumar, Director, IIMT Colleges of Polytechnic, Greater Noida. Students participated in the number of activity like Dance, Singing, Circuit modeling, Face painting, Bridge Kirti, Science Quiz, Debate, Skit, Fashion Show, Forehead ballooning, Poster making etc.

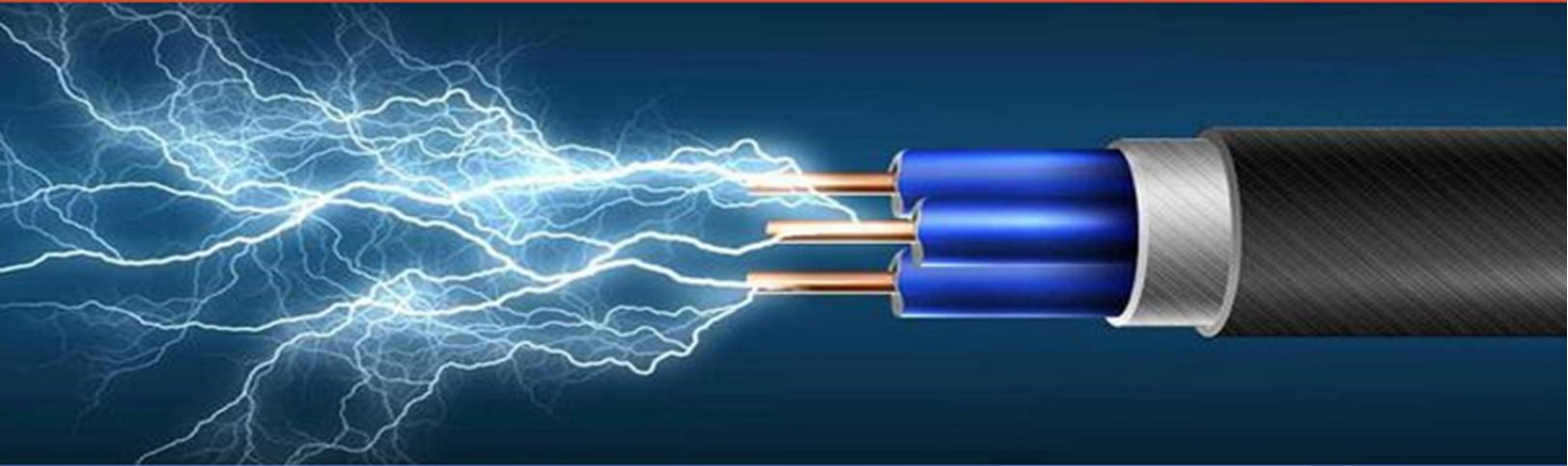


IDEA HACKATHON

IIMT College of Polytechnic, Greater Noida has organized IDEA HACKATHON on 09th Dec 2022 under the Guidance of Mr.Umesh Kumar, director, IIMT Polytechnic. The event provided a platform for students and budding entrepreneurs who want to work on their start-up idea. The objective of Ideathon was to provide a hands-on learning experience to students and professionals with regards to expanding their start-up ideas.

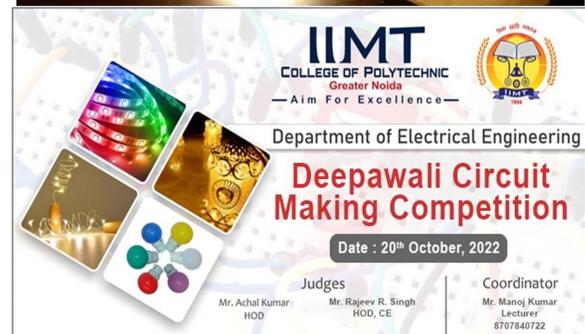


Department of Electrical Engineering



Deepawali Circuit Making Competition 20, Oct '2022

Department of Electrical Engineering, organized a “Deepawali Circuit Making Competition” on 20, October 2022, under the Guidance of Mr.Umesh Kumar, director, IIMT Polytechnic. In which Dr. Bhaskar Gupta, Prof in charge Academics, IIMT Polytechnic and MrAchal Kumar, Head EE were also present in the session. The coordinator of the event was Mr. Manoj Kumar, Lecturer, Electrical Engineering. The event was organized for the evaluation of student’s basic knowledge of electric and electronic circuit and makes the festival of Deepawali knowledgeable. Students of 2nd and 3rd year of Electrical Engineering participated in this event.

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Greater Noida
— Aim For Excellence —

Department of Electrical Engineering

Deepawali Circuit Making Competition

Date : 20th October, 2022

Judges
Mr. Achal Kumar, HOD | Mr. Rajeev R. Singh, HOD, CE

Coordinator
Mr. Manoj Kumar, Lecturer, 8707840722

Mini Project Competition 29,Nov'2022

Department of Electrical Engineering organized a "Mini Project Competition" on 29, November 2022, under the Guidance of Mr.Umesh Kumar, director, IIMT Polytechnic. The judges of events were Mr. Hridesh Gupta, Asst. Professor, IIMT College of Engineering Dr. Bhaskar Gupta. Prof. In-charge(A), IIMT College of polytechnic Mr. Rajeev Ranjan Singh, HOD, Department of Civil Engineering, IIMT College of Polytechnic Mr. Achal Kumar, HOD Department of Electrical Engineering. The coordinator of the event was Ms. Madhu Singh, Lecturer, Electrical Engineering. The event was organized for the evaluation of student's basic knowledge of electric and electronic circuit and makes the Mini Project on the basis of basic knowledge. Students of 2nd and 3rd year of Electrical Engineering participated in this event.



29-Nov-2022 11:54:01 am Knowledge Park III Greater Noida Uttar Pradesh



29-Nov-2022 11:54:58 am Knowledge Park III Greater Noida Uttar Pradesh

Advertisement for Mini Project Competition, IIMT College of Polytechnic, Greater Noida. Includes date (29th November, 2022), venue (Project Lab, Electrical Engineering Department), and faculty coordinator (Ms. Madhu Singh).

Department of Civil Engineering



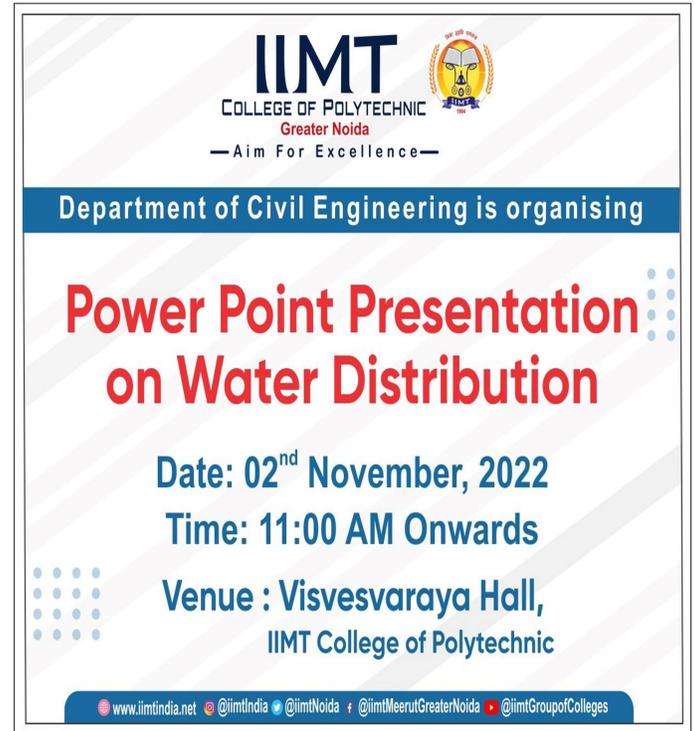
GUEST LECTURE ON 12,OCT'2022

Department of Civil Engineering organized a Guest Lecture on “Scope of Civil Engineering after Diploma” on 12th October, 2022 under the guidance of Prof. Umesh Kumar, Director IIMT Polytechnic. The coordinator of the event was Mr. Manish Kumar, Lecturer Civil Engineering Department. The objective of the Guest Lecture was relevant to area of interest/job. Speaker was able to explain the topic clearly & used relevant examples. The lecture helped to understand types of scope available after diploma and student can make a bright future. Speaker also emphasized various opportunities which can get to student after diploma.

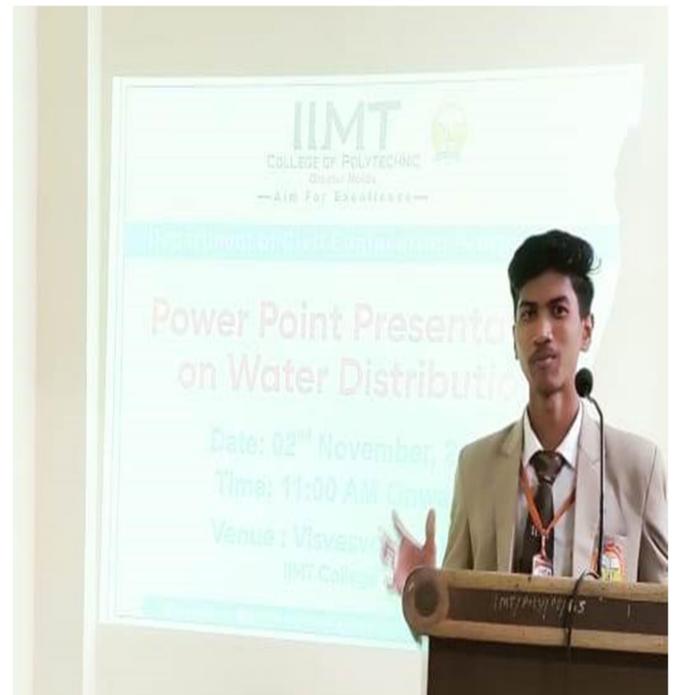
Greater Noida, Uttar Pradesh, India
COLLEGE OF PHARMACY & HOSTEL, IIMT COLLEGE OF
MANAGEMENT, Knowledge Park III, Greater Noida, Uttar Pradesh
201310, India
Lat 28.480454°
Long 77.490418°
12/10/22 02:33 PM GMT +05:30

PPT PRESENTATION 02,NOV'2022

Department of Civil Engineering organized a Power Point Presentation on "WATER DISTRIBUTION" on 2nd November, 2022 under the guidance of Prof. Umesh Kumar, Director IIMT Polytechnic. The coordinator of the event was Mr. Vikash Kumar Gautam, Lecturer Civil Engineering Department. The purpose of Power Point is to act as a visual aid as a presenter goes along presenting their option, ideas, sales pitch, on water distribution. Make sure to not make your slides too wordy and concentrate on adding only basic bullet points. Using videos can also help in explaining long concepts in a shorter time frame, with more precision. The first thing you need to understand about PowerPoint as a newbie is the concept of slides. Slide is like a blank document (so to speak), which presents your ideas in the form of text, images, charts and animations. Presenting aims and objectives process flow PowerPoint guide. This PPT slide offers you plenty of space to put in titles and sub titles. High resolution-based presentation layout does not change the image even after resizing.



The slide features the IIMT logo at the top center, with the text "COLLEGE OF POLYTECHNIC Greater Noida" and "— Aim For Excellence —" below it. A blue banner reads "Department of Civil Engineering is organising". The main title "Power Point Presentation on Water Distribution" is in large red font. Below it, the date "Date: 02nd November, 2022", time "Time: 11:00 AM Onwards", and venue "Venue : Visvesvaraya Hall, IIMT College of Polytechnic" are listed in blue. At the bottom, there is a social media bar with icons for website, Instagram, Facebook, Twitter, and YouTube, along with their respective handles: www.iimtindia.net, @iimtindia, @iimtNoida, @iimtMeerutGreaterNoida, and @iimtGroupofColleges.



Department of Mechanical Engineering



Design & Drafting of 2D model in Autocad on 6, Oct'2022

An activity was organized by Department of Mechanical Engineering on the topic: "DESIGN & DRAFTING OF 2D MODEL IN AUTOCAD" on date 6th October 2022 the co-coordinator of the activity was Mr. Sachin Shishodia (Lecturer, ME) and Venue of the activity was CAD Lab, IIMT College of Polytechnic.

Learning Outcomes of the Activity was

- To gain design oriented knowledge.
- To understand applications of Designing Software.
- Use cognitive and motor cells of brain.
- Generate creative, scientific and technical skills

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— Minor Activity —
Organized By
Department of Mechanical Engineering

Design & Drafting of 2D Model on AUTOCAD

Date - 06th October, 2022 | Time - 11:30 AM - 12:40 PM

Venue
CAD Lab, IIMT College of Polytechnic

COORDINATOR
Mr. Sachin Shishodia
Lecturer, ME
IIMT College of Polytechnic

PATRON
Prof. Umesh Kumar
Director
IIMT College of Polytechnic

CO-PATRONS
Mr. Zakir Ali
HOD, ME
IIMT College of Polytechnic
Mr. Tribhuvan Singh
Coordinator ME & E
IIMT College of Polytechnic
Mr. Pawan Kumar
Coordinator ME & E
IIMT College of Polytechnic

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Guest Lecture On 4,Nov'2022

A Guest Lecture was organized by Mechanical Engineering Department on 4th Nov, 2022 on "SOLUTION TO INDUSTRIAL CHALLENGES USING DESIGN TOOL". Name of Guest was Mr. Adnan Hussain from ScheDio CAD solutions opc Pvt Ltd Greater Noida. 120 students were present in the lecture.

Mr.Adnan Hussain Sir was from ScheDio CAD solutions OPC Pvt Ltd Greater Noida. He emphasized on diverse software tools used in design industry. The students gained knowledge about the CAD /CAM and Solid works 2D &3D analysis of components.

Speaker told the students various challenges in the design industries and their solution.



Workshop on 10,Nov'2022

A workshop was organized by Mechanical Engineering Department on 10th Nov, 2022 on "ANSYS SOFTWARE & MAINTENANCE OF CNC". Mr. Mohammad Sameer was the speaker in the workshop. The resource person for the workshop, Mr. Mohammad Sameer Sir was from shape my skills Pvt Ltd Noida. He emphasized on diverse Ansys software tools used in design industry. The students gained knowledge about the CAD /CAM, and analysis software and maintenance of CNC machine. Speaker told the students various challenges in the design industries and their solution

Faculty Corner

❖ Madhavgarh Outing Tour

Management of IIMT Group of Colleges organized an outing tour on 24,Dec'2022.



Faculty Article



THE INDUSTRIAL ROBOTICS

Mr.Achal Kumar, Head of
Department Electrical
Engineering

IIMT College of Polytechnic

Emerging Technologies, challenges, and key research directions. Survey and evaluate the extent to which the use of industrial and collaborative robotics as well as iot-based connective technologies has evolved over the last 10 years. The primary drivers of innovations. The bottlenecks companies faced in introducing new technologies. The challenges and next directions companies are considering for the future. Explain drove shifts toward automation. integration of human behavior prediction into robot path planning, for better safety and collaboration; improved tracking in dynamic workspaces; as well as demonstrating, through viable working models. Researchers can focus on improving the robustness of perception. Capabilities in factory environments, particularly in migrating recent advances to be more effective on the factory floor. Researchers can get idea of fully automated generalize bin-picking systems are an immediate area of focus for many companies. Survey and evaluate the extent to which the use of industrial and collaborative robotics as well as IOT-based connective technologies has evolved over the last 10 years. Some of the measurable improvements in productivity, efficiency, or quality that resulted from these shifts. Some of the metrics that these companies used to evaluate the value of robotics integration the greatest challenges faced by industries.

Autonomous guided vehicles and gab can use navigation. Technique called slam, simultaneous localization and mapping, in lieu of traditional navigation techniques to localize itself within a space.

Student Article



Pollution Due to Urbanization

Abhishek Bhati ME (M)
3rd year

IMT College of Polytechnic

For development any country urbanization is necessarily required. Urbanization refers to the developing remote and rural areas by building infrastructure which is important for development. Infrastructure includes to all the buildings and institutions which are necessary for economic growth and development to take place in an area. For example, educational institutions like schools, colleges, vocational learning centers are part of the infrastructure. Healthcare facilities such as hospitals and clinics, employment opportunities, food security and transportation infrastructure etc. are also part of the infrastructure of a country.

It is seen that whenever a big corporation sets up business in a rural area, and around this, infrastructure is automatically developed and this refers to urbanization take place. Urbanization definitely encourages the people of a place to have a better life by giving them more opportunities to achieve good life through education, jobs, etc.

On the other hand, it must be duly noted that urbanization is one of the main cause of pollution in today's world which leads to global warming. There are various kinds of environmental pollution, such as air pollution, water pollution, soil pollution and noise pollution.

Not only big industries contribute to pollution, other parts of urbanization such as transportation infrastructure like roads bridges etc. which leads to more vehicles on the road and increase air as well as noise pollution. So, urbanization is necessary for development for any country but it also leads to various environmental problems and health issues for living beings and also damages the eco system of our planet.

General Corner

Q1. Which is the first state in the country to implement an open-loop ticketing system using National Common Mobility Card?

- [A]Gujarat
- [B]Maharashtra
- [C]Haryana
- [D] Tamil Nadu

Q2. Unnati Hooda, who was seen in the news, is associated with which sports?

- [A]Tennis
- [B]Squash
- [C]Badminton
- [D] Hockey

Q3. Which country is the largest trading partner of India after China and US, as of 2022?

- [A] Australia
- [B] UAE
- [C] United Kingdom
- [D] Russia

Q4. Which is the first state to issue 'Soulbound (NFT) Tokens' to its outstanding department members?

- [A] Telangana
- [B] Tamil Nadu
- [C] Karnataka
- [D] New Delhi

Q5. Which is the first state to have a 'Divyang department' for the welfare of people with disabilities?

- [A] Gujarat
- [B] Punjab
- [C] Maharashtra
- [D] Karnataka

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.

Mr. Balram Sharma
Assistance professor, CSE
KIT, Kanpur

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.

Piyush Pundir

Vice President - Feature Lead Technology
Bank of America, US





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
Prof In charge Academics



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