

Newsletter

Polyयांत्रिकी

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**FROM THE DESK OF IQAC
SECRETARY**



Ms. Neelam
IQAC, Secretary
IIMT College of Polytechnic

Cultural Literacy and Education

Cultural literacy and education are intertwined concepts that emphasize understanding & knowledge of various aspects of culture, including different subjects and societal norms. It involves being familiar with important cultural references, symbols & values that shapes societies. In this context, education plays a crucial role in fostering cultural literacy by teaching students about diverse cultures & encouraging critical thinking about cultural differences. Overall, cultural literacy in education aims to equip individuals with the knowledge and skills necessary to thrive in a multicultural society, promoting tolerance, understanding, and mutual respect among diverse communities.

Cultural literacy and education play vital roles in shaping individuals and societies in several key ways:

1. Cultural literacy enables to promote understanding and respect for individuals to understand and respect diverse perspectives, beliefs, and traditions.

2. In a globalized world, cultural literacy enhances communication and collaboration across cultures.
3. Cultural literacy empowers individuals to critically analyze and engage with cultural artifacts, media representations, and societal norms.
4. Incorporating cultural literacy into education enriches the learning experience by providing students with a broader context for understanding literature, history, and social studies
5. Education in cultural literacy prepares individuals to be informed and engaged global citizens.
6. Cultural literacy helps preserve and celebrate cultural heritage by ensuring that future generations understand and appreciate the significance of their own cultural traditions and those of others.

In conclusion, education's role in fostering cultural literacy is comprehensive and essential. By integrating cultural understanding into curricula, promoting critical thinking, nurturing language skills, and encouraging experiential learning, education equips individuals with the knowledge and skills needed to thrive in diverse societies and contribute positively to global citizenship.



INTERNATIONAL CONFERENCE

IIMT College of Polytechnic, Greater Noida has organized third international conference titled **Recent Innovations in Science & Engineering** through hybrid mode on 1 June 2024 at IIMT College of Polytechnic, Greater Noida. The conference started with the lighting of the lamp by dignitaries. Eminent speakers / panelists from government higher education institutions, R&D organizations and industries were invited as plenary speakers to the conference. **Prof. (Dr.) B.S. Rajput**, the Chief Guest of the 3rd International Conference, delivered an inspiring speech on the importance of innovation in science and engineering, set the tone for the event. We received more than 50 research papers in this conference. Among them, our reviewers selected 26 papers for the purpose of presentation.



Conference Proceeding released by the Delegates

2nd MEGA JOB FAIR

The 2nd Mega Job Fair was organized by the Placement Department of IIMT College of Polytechnic, Greater Noida on June 12, 2024 which was coordinated by Mr. Tribhuwan Singh (Dy. HOD, MEM) and the placement coordinator, Ms. Vandana Soni. The fair proved to be a significant which aimed at providing immense career opportunities for Diploma and ITI students. It attracted substantial participation from both students and companies, creating a dynamic platform for recruitment and career advancement. Over 40 companies from various sectors participated offering a wide range of job opportunities. A total of 1249 students registered and around 247 students received job offers and were shortlisted by the companies. This fair had a positive impact on both the students & college.



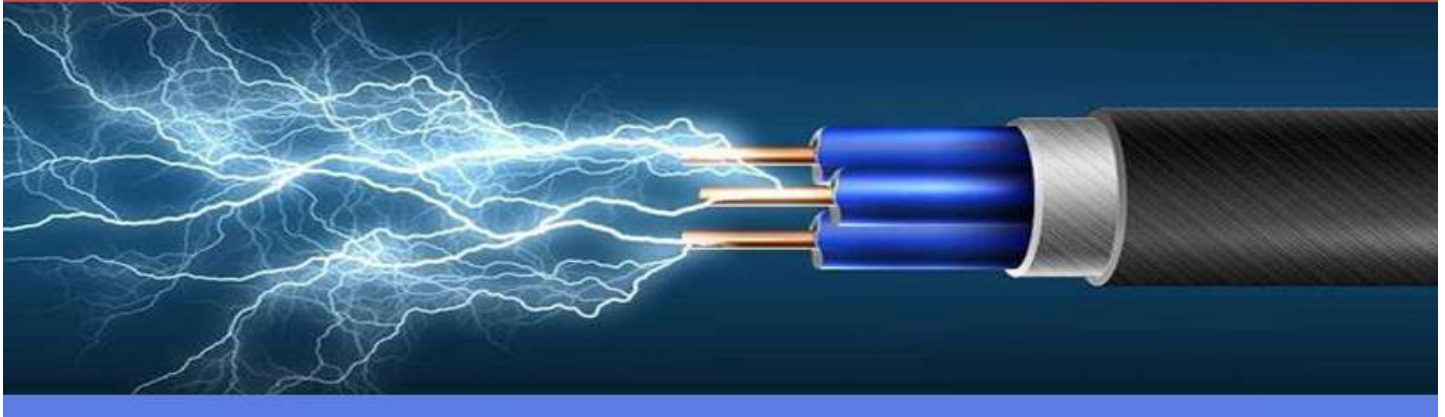
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Felicitations of the HR's of the companies

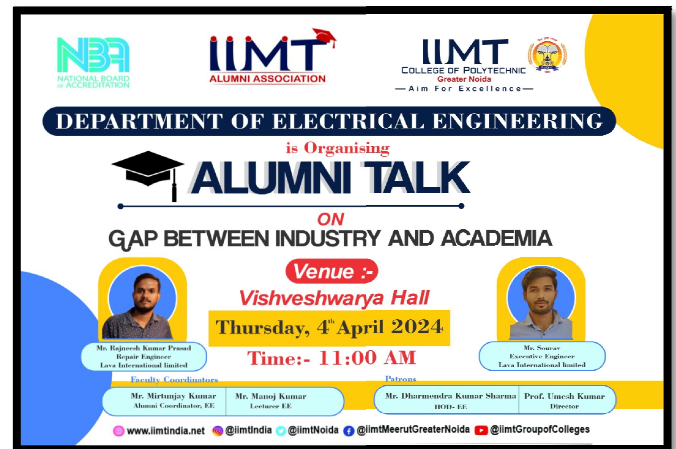
Department of Electrical Engineering



ALUMNI CONNECT

Alumni Connect on Gap between Industry and Academia had been conducted by the department of Electrical Engineering under the “Alumni Cell IIMT” on April 4, 2024. The coordinator involved in conducting this activity was Ms. Sakshi Rana (Dy. HOD, EE) and the speakers were Mr. Rajneesh Kumar Prasad & Mr. Sourav. Both the Alumni shared their wonderful experiences of the college with the students and advised them to attend classes regularly.

They motivated the students to understand the fundamentals of every subject, so that after completion of their course it becomes easy for them to choose a specific career. Alumni also encouraged the students to perform practicals and to do projects which will increase the weightage of their CVs.



NBA **IIMT** **IIMT**
NATIONAL BOARD OF ACCREDITATION ALUMNI ASSOCIATION COLLEGE OF POLYTECHNIC
Greater Noida
— Aim For Excellence —

DEPARTMENT OF ELECTRICAL ENGINEERING
is Organising
ALUMNI TALK
ON
GAP BETWEEN INDUSTRY AND ACADEMIA
Venue :-
Vishveshwarya Hall
Thursday, 4th April 2024
Time:- 11:00 AM

Speakers:
Mr. Rajneesh Kumar Prasad
Repair Engineer
Lava International limited
Mr. Sourav
Executive Engineer
Lava International limited

Facilitator:
Mr. Murtujoy Kumar
Alumni Coordinator, EE

Hosts:
Mr. Dharmendra Kumar Shrivastava
HOD-EE
Prof. Umesh Kumar
Director

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Felicitation of Alumni: Mr. Rajneesh Kumar Prasad & Mr. Sourav

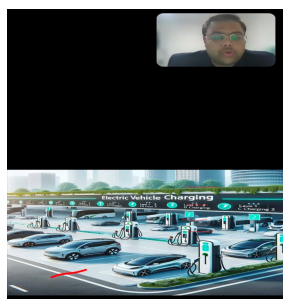


India won T20
World Cup –
29 Jun'2024

"You can bounce back from the lowest unimaginable lows (even if the entire world is against you)" - Hardik Pandya (VC)

SEMINAR ON ELECTRIC VEHICLE TECHNOLOGY

A one day online seminar was conducted for the students of Electrical Engineering and the guest speaker invited for the session was from ACES Group, Australia, who imparted knowledge about Electrical Vehicle Technology. It was conducted on 9th April 2024 and the coordinator was Mr. Gopendra Kumar (Lecturer, EE). The speaker's role involves overseeing key aspects of business operations and customer service. The objectives were to educate the audience about the basic principles and components of electric vehicles, including batteries, motors, and charging infrastructure.



Online session was conducted on EV Technology



Students studiously attended the online session

INDUSTRIAL VISIT

The Industrial Visit was organized by the department of Electrical Engineering on 27th May 2024 at Sofcon India Private Limited B-5, Sector 2, Noida. The Faculty Coordinators who were involved in the conduction of Industrial Visit were Ms. Sakshi Rana, Dy. HOD [EE] & Mr. Mirtunjay Kumar, Lecturer [EE]. The objective of the visit was to gain practical insights into the field of Hydraulics & Pneumatics System. It focused on hydraulic and pneumatic systems which offered the participants a comprehensive learning experience, bridging the gap between theory and practice in the field of industrial automation and control.



Industrial Visit of EE Students at SOFCON India Pvt. Ltd.



Keen observance by the students during their industrial visit



India won T20 World Cup – 29 Jun'2024

"Consistency pays off eventually" -Jasprit Bumrah



Department of Civil Engineering

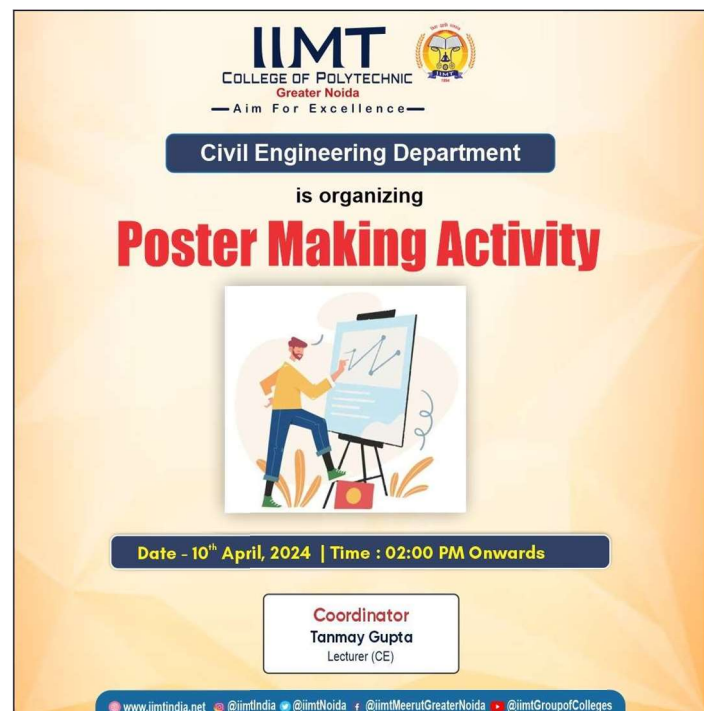


POSTER MAKING

Poster Making Activity has been conducted by the department of Civil Engineering on 10th April 2024. The coordinator was Mr. Tanmay Gupta (Lecturer, CE). Poster-making activities fuse creativity with non – verbal communication, enabling individuals to visually convey their ideas, messages, or information precisely and accurately. Posters are effective tools for promotion and awareness, captivating attention and sparking interest in events, causes, or products.

Through collaborative creation, these activities cultivate teamwork and mutual understanding in students. objectives of the poster making activity enhances their communication skills by conveying a message effectively through visuals and text, Stimulate critical thinking by requiring participants to analyze information and

determine the most effective way to present it. The winners were : Nikhil kumar - 1st position, Nikita Gaur - 2nd position and Rishabh - 3rd position.





Participation of the students in Poster Making Activity

BLOOD DONATION CAMP

Department of Civil Engineering of IIMT College of Polytechnic has organized Blood donation camp on 29th May 2024. The coordinator of the camp was Mr. Rajiv Ranjan Singh (HOD, CE) and the venue was Sarabhai Hall, IIMT College of Engineering.

The objective was to contribute to the local healthcare services by providing much-needed blood donations, and to foster a culture of volunteerism and community service within the college. The camp was conducted in collaboration with the Luxmi Narayan Temple charitable trust & Army (AFTC) which played a crucial role in the success of the camp. Their medical team provided the necessary expertise and support, ensuring that the donation process was carried out efficiently and safely.

The camp commenced at 9:00 am with an opening ceremony attended by the college management, faculty

members, and representatives from the Luxmi Narayan Temple charitable trust and Army (AFTC). A total of 42 units of blood was donated during the camp. The participation included both students and staff members who came forward to contribute to this noble cause.



Clippings from the newspaper of the Blood donation camp

Department of Mechanical Engineering



SESSION ON INTELLECTUAL PROPERTY RIGHTS

The IPR Club organized the session on IPR by the Mechanical Engineering Department-Production and was organized by Ms. Nishu Sharma (Dy.HOD) and Dr. Chitra Gupta (Sr. Lecturer, ME-P). The speaker of this event was Ms. Bhavna Rajput who is LLM, NET-JRF, and Expertise in IPRs.

The IPR session achieved significant outcomes and it increased awareness among participants about the importance of intellectual property rights in fostering innovation and economic growth.

Overall, the session served as a crucial platform for advancing understanding, collaboration, and action in support of intellectual property rights and their role in driving innovation and economic development.



INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

IIMT
COLLEGE OF POLYTECHNIC
Greater Noida
— Aim For Excellence —

IIMT College of Polytechnic is Organizing

SESSION ON

"INTELLECTUAL PROPERTY RIGHTS"


Ms. Bhavna Rajput
LLM, NET-JRF, Expertise in IPRs
Assistant Professor
IIMT College of Law

03rd May 2024 | 12:00 noon onwards
Venue: Visvesvaraya Hall

FACULTY COORDINATORS

Ms. Nishu Sharma (Dy. HOD, ME-P) IIMT College of Polytechnic	Dr. Chitra Gupta (Senior Lecturer ME-P) IIMT College of Polytechnic	Ms. Bahnilkha Das (Senior Lecturer, CE) IIMT College of Polytechnic
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**Students &
Faculties attended
the session**



**Felicitations of Guest
Speaker Ms. Bhavna
Rajput**

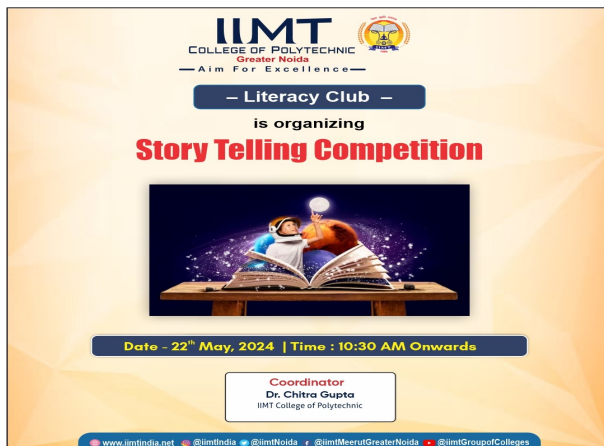


**India won T20
World Cup –
29 Jun'2024**

I believe in fearless batting, and that's what I'm going to do- Rishabh Pant

STORY TELLING COMPETITION

Story Telling Competition had been conducted by the department of Mechanical Engineering - Production on 22nd May 2024. The coordinator was Dr. Chitra Gupta (Sr. Lecturer, MEP). This competition encouraged participants to develop and enhance their oral communication skills and build up their imagination, creativity and think out of the box. The objectives being: Nurturing imagination, Cultural preservation. Building confidence. Cultivating and developing voice modulation, tone and facial expressions. The Winners of the competition were: Bindesh Ku. Jha – Ist (MEP), Manoi Kumar – IInd (MEP) Suhia – IIIrd (EF)



POETRY COMPETITION

A Poetry Competition was organized by the Mechanical Engineering Department-Production and was organized by Ms. Nishu Sharma (Dy. HOD) and Mr. Prashant Sharma (Lecturer, ME-P). The primary objective of the poetry competition was to encourage creative expression and literary talent among participants, providing a platform for poets to showcase their work. The winners of the competition were: Bindesh Ku. Jha (ME-1P)-1st Position, Deeksha (ME- 3P) – 2nd Position, Priyanshu Kumar (ME-1P) – 3rd Position. The winners were awarded with the medals.



Participants presented their storyline based on theme and moral lessons in front of the audience

Winners were awarded with the medals



India won T20
World Cup –
29 Jun'2024

"Trust yourself especially when nobody else does...,"

— Arshdeep Singh

FACULTY CORNER

BRIDGING CONNECTIVITY GAPS: THE REVOLUTION OF SATELLITE IOT IN GLOBAL OPERATIONS

Introduction: IOT and satellite communication are coming together to change connectivity and make real-time control and monitoring possible in previously inaccessible areas. This collaboration improves the dependability of data flow, which is important for applications such as disaster relief and precision agriculture. It provides previously unheard-of chances for greater productivity across a range of industries by bridging gaps in conventional networks and encouraging innovation and operational efficiency.

Revolutionizing Connectivity: Integrating IoT Technology with Satellite Networks: Global networking is revolutionized by IoT and satellite network integration, which makes it possible for smooth data transmission, improved maritime tracking, real-time weather monitoring, and remote farm management. These innovations spur efficiency and creativity across a wide range of businesses worldwide.



Source images.app.goo.gl

How does SATELLITE IoT work?

Satellite IoT technology uses orbiting satellites as relays for worldwide IoT device connectivity, getting beyond limitations on terrestrial networks. Industries like agriculture, marine transportation, and environmental monitoring benefit from the processing of data provided via radio waves at ground stations or satellite hubs before it is delivered to data centers for analysis. Global coverage provided by satellite IoT networks ensures connectivity in an emergency and allows bi-directional communication for remote control and monitoring. By expanding IoT applications in asset tracking, precision agriculture, and disaster response, they improve operational efficiency and help enterprises overcome geographical constraints.

Conclusion: To sum up, the integration of IoT technologies with satellite networks represents a noteworthy advancement in worldwide communication. The efficiency of smart homes, industries, and environmental monitoring sectors is improved by this connection.



Ms Akanksha Gupta

MSC (Physics), NET- JRF,
PHD Pursuing



India won T20
World Cup –
29 Jun'2024

STUDENT CORNER

Machines have given birth to humans

If we open our eyes in the morning, we will find ourselves surrounded by machines. Perhaps it is not the machines but the machines that have surrounded us because looking at the present situation it seems that machines first came into existence in this world and later the machines created humans. We do not run the machines, the machines run us. These machines have control not only over humans but also over nature. Its impact on nature is immediately visible. But its effect on humans is visible over a long period of time. Sometimes these effects are even invisible. But it is not necessary that what is invisible does not exist. When we open our eyes in the morning, we notice that our fan is running at full speed in our house. The cooler which has created an atmosphere cooler than Kashmir. The glowing bulb in the house seems to be giving more light than the sun. What is needed now? If something better than nature is being obtained then what is the problem in it. It should not be forgotten that the machine is a very big businessman. Who does not do any work for free. If it is providing us maximum benefits, then it should be understood that it is also getting benefits from somewhere.



Bindesh Kumar Jha

ME-P, I Year

GENERAL CORNER- QUIZ

Which came first? Vocabulary Quiz

1. Hot take or cold shoulder?
2. E-mail or f-bomb?
3. FLOTUS or SWAT?
4. French manicure or English muffin?
5. Chillax or dumpster fire?
6. Meme or emoji?
7. Zillion or hundo?
8. Podcast or earbud?
9. Valley girl or flower child?
10. Athleisure or cosplay?

Answers of Previous Newsletter General Corner (Jan-Mar'2024)

- | | |
|-------|-------|
| 1(a) | 2 (b) |
| 3 (a) | 4 (a) |
| 5 (a) | |





FROM THE

**EDITOR'S
DESK**

"We extend our sincere appreciation to our dedicated readers, whose engagement and support drive the success of our esteemed quarterly newsletter. We also express profound gratitude to our talented authors, whose innovative research enriches the scholarly discourse in our field.

Finally, we extend special thanks to our distinguished Editor-in-Chief for his guidance, leadership, and unwavering commitment to excellence.

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Director

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Senior Lecturer, ME-P



Mr. Manish Kumar
Lecturer, CE



Mr .Manoj Yadav
Lecturer, EE



STUDENTS COORDINATOR

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ME (M) 3 Yr

Manoj Kumar
ME (P) 3Yr

Nishant Kumar
EE 3 Yr

Prashant Singh
CE 3Yr