



5 January-**National Birds Day**

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- Aim For Excellence-

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MANAGEMENT CORNER



Maj Gen (Dr) Arun Kumar Gupta Director General (Administration) IIMT Group of Colleges

Transformational Leadership: Inspiring Innovation and Driving Change

In today's rapidly changing business environment, organizations must continually adapt to stay competitive. One of the most effective leadership styles that facilitates this adaptability is **transformational leadership**. Leaders who embrace this approach not only motivate their teams but also inspire innovation, foster creativity, and drive change.

What is Transformational Leadership?

Transformational leadership is a leadership style where leaders work to inspire and motivate their followers to exceed their own self-interests for the good of the organization.

This type of leadership is centred around four key components, often referred to as the **Four I's**:

1. Idealized Influence: Leaders serve as role models and demonstrate behaviors that followers seek to emulate.

- **2.Inspirational Motivation:** Transformational leaders articulate a compelling vision that excites and motivates followers.
- **3. Intellectual Stimulation:** These leaders encourage creativity and innovation by challenging the status quo and promoting critical thinking.
- **4.Individualized Consideration:** Transformational leaders pay attention to the individual needs and development of their followers.

The Impact of Transformational Leadership on Organizational Performance

These improvements stem from the intrinsic motivation fostered within teams and the alignment of individual goals with organizational objectives.

Additionally, the focus on innovation and change allows organizations to stay ahead of the competition, adapt to evolving market demands, and continuously improve their products and services.

Conclusion

Transformational leadership is more than just a management style; it is a philosophy of inspiring individuals to exceed expectations and achieve extraordinary results. Leaders who practice transformational leadership not only drive organizational performance but also foster a culture of innovation and adaptability.







12 January – National Youth Day

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FDP on IPR

The 5-day Faculty Development Program (FDP) on Intellectual Property Rights (IPR), held from January 6 to 10, 2025, enhanced faculty members' understanding of IPR in academia, research, and innovation. The FDP was attended by 56 participants which featured six expert-led sessions covering copyrights, trademarks, patents, and global IPR frameworks. Topics included trademark protection in the digital age, legal aspects of Geographical Indications (GIs), and IPR's role in economic growth. Distinguished guests, The program provided valuable insights into intellectual property management, legal frameworks, and global protection standards.





Felicitation of D.G. (Academics)



Certificates distributed to the Participants

URJA-2K25

URJA-2K25, an annual sports competition, was held on February 25, 2025, at IIMT College of Polytechnic with great enthusiasm. Ms. Jyotshna Singh (Nayab Tehsildar Sadar) inaugurated the event, emphasizing the role of sports in personality development. The event featured indoor and outdoor games like Gully Cricket, Kabaddi, Volleyball, Badminton, and BGMI, attracting 151 participants from various colleges. Prof. Umesh Kumar and Dr. Ankur Johri highlighted the importance of sports in fostering discipline, teamwork, and academic balance. This event was organized by Mr. Vikash Kumar Gautam. This event provided a platform for students to showcase their skills and competitive spirit.







Felicitation of Guest of Honor, Ms. Jyotsana Singh (Executive Magistrate, SADAR Tehsil (G.B. Nagar)

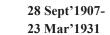
















24 January-**National Girl Child Day**

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Department of Electrical Engineering

POSTER PRESENTATION

The Poster Presentation on Innovations was conducted for students across all branches and years, including 1st, 2nd, and 3rd-year students, starting from 11:00 AM onwards. This dynamic event was designed to showcase a wide range of innovative ideas and projects, inspiring students to explore new technologies and creative solutions. Dr. Chitra Gupta served as the Coordinator, ensuring the smooth execution of event and providing guidance throughout the presentations.

Participants had the opportunity to present their work, engage in meaningful interactions with peers, and receive valuable feedback from both faculty members and fellow students. The event fostered a collaborative environment that encouraged the exchange of knowledge and sparked insightful discussions on the potential impact of innovations across various fields.







Participants Explained about their Posters















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26 January-Republic Day

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WORKSHOP

The Department of Electrical Engineering organized a one-day workshop titled 'Internet of Things (IoT)' on 19th February 2025. The workshop was designed to empower students with a strong foundational understanding of the Internet of Things and its transformative impact across various industries and daily life. The session aimed to ignite curiosity and foster interest in the field of IoT, demonstrating its practical utility in addressing real-world challenges in sectors such as healthcare, agriculture, industrial automation, smart cities, and renewable energy.





Felicitation of the Guest Speaker, Mr. Ritesh



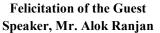
Faculties and Students Attended the Workshop

WORKSHOP

A one-day workshop titled "Recent Trends in Electric Vehicles" was organized by the Department of Electrical Engineering on 18th February 2025. The primary aim of the workshop was to familiarize budding engineers with the various technologies involved in Electric Vehicles (EVs) and Hybrid Electric Vehicles (HEVs). A key challenge in the Indian EV industry is the shortage of skilled professionals proficient in the latest technologies. This workshop sought to address that gap by raising awareness about the available opportunities in the sector and the required skills.









Faculties and Students Attended the Workshop



















13 February - World **Radio Day**

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Department of Civil Engineering



GUEST LECTURE

On February 11, 2025, the Civil Engineering Department of IIMT Group of Colleges organized an expert talk on "Progress of Innovation Development" in Smart Class (308), IIMT College of Polytechnic, Greater Noida. The session was coordinated by Manish Kumar, Lecturer, and featured Dr. JayanthiGanapathy, an expert in the field of innovation development, as the guest speaker.

Dr. Ganapathy shared valuable knowledge experiences related to innovation, covering topics such as research methodologies, industry applications, and case studies showcasing significant technological advancements. The event was attended by students, faculty members, and professionals, fostering interactive environment where participants engaged with the speaker and clarified their queries.







Faculties & Students Attended the Online Guest Lecture

























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WORKSHOP

On February 20, 2025, the Department of Civil Engineering organized an insightful online workshop on Sales and Marketing Strategies Entrepreneurial Startups" via Google Meet. The session which was coordinated by Mr. Vikas Kumar Gautam aimed to equip aspiring entrepreneurs and business enthusiasts with essential strategies to succeed in today's competitive business environment. The workshop was led by Mr. Vineet Kumar Tiwari, a distinguished Start-up Activity Coordinator at IIC-UCER and Assistant Professor in the Electrical Engineering Department. He shared his expertise in business development and techniques, customer engagement, and digital marketing trends.







Students Attended the Online Workshop

POSTER PRESENTATION

On March 5, 2025, the Institution's Innovation Council (IIC-IIMT) and the Department of Civil Engineering, IIMT College of Polytechnic, Greater Noida, organized a Poster Presentation on Business Plans at 12:00 PM in the Engineering Drawing Lab (2nd Floor). The event, coordinated by Ms.BabitaPandey, aimed to foster innovative thinking, entrepreneurial skills, and problem-solving abilities among students. Faculty members emphasized the importance of business planning and innovation in today's competitive world, encouraging students to develop solutions for real-world problems. Participants from various departments showcased their business plans through posters, covering key aspects such as Problem Identification & Market Analysis.







Winners were Honored by Certificates



















1 March - Employee **Appreciation Day**

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Department of Mechanical Engineering



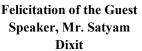
WORKSHOP

A workshop on Solid Works (3D CAD Software) was organized by the Department of Mechanical Engineering at IIMT College of Polytechnic for 2nd and 3rd-year Diploma students. The event saw active participation from over 41 students, with a welcome note given by Mr. Ajay Sharma, Dean (R&D) of IIMT College of Polytechnic.

A total of **30 students** registered for the workshop, and all 30 students actively participated. The workshop's primary objective was to help students develop creative manual models through 3D modeling. This approach enabled students to gain a better understanding of scale, proportion, and the creative use of materials to form various textures and shapes. The workshop was a great success, with students grasping the key objectives of understanding scale and proportion in 3D CAD software.









Students Attended the Workshop



















8 March -International Women's Day

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GUEST LECTURE

On March 4th, 2025, the Department of Mechanical Engineering and the Institution's Innovation Council (IIC) jointly organized an online guest session on the topic "How to Plan for Start-up and Legal & Ethical Steps." The session aimed to provide aspiring entrepreneurs with valuable insights into key aspects of starting a business, including legal compliance and ethical considerations. The session was led by Mr. Roshan Kisan Bonde, Assistant Professor and Innovative Ambassador, who shared his expertise on the subject. A total of 36 students participated in the online event, which was held in the Smart Class, Room No. 203, starting at 11:00 AM. This informative session equipped students with the necessary knowledge to navigate the complexities of launching a start-up,







Online Guest Lecture Attended by Attendees

EXPOSURE AND FIELD VISIT

On March 26th, 2025, a valuable exposure and field visit to KPS Forge (India) Pvt. Ltd. in Ghaziabad was organized for 27 students. The visit provided students with hands-on insights into industrial manufacturing processes, specifically in the forging sector, bridging the gap between theoretical learning and practical application. Throughout the visit, students identified potential challenges, including process inefficiencies, raw material handling, and maintenance issues. They were encouraged to think critically about improving workflow, energy consumption, and waste management practices. The visit concluded with a feedback session where students shared their key takeaways and suggestions for improvement. The industry professionals constructive feedback, urging students to explore innovative solutions to industrial challenges







Industrial Visit of ME Students at KPS Forge



























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FACULTY CORNER

The Impact of Inventory Management on the Development of New Technologies

As we continue to innovate and push technology, I wanted to remark on inventory management, an important yet often ignored part of technical progress. Engineers work on improving systems and developing new technologies, but inventory management can affect their Effective speed and success. inventory management, guided by Inventory Theory, ensures that development resources are accessible when needed without overstocking or shortages. The cost, time, and quality of our technologies depend on effective material, part, and component management.

The Economic Order Quantity (EOQ), a popular approach, helps firms order the right amount of supplies to save ordering and holding expenses. This methodology guarantees that technology developers have the proper components without tying up critical resources in surplus stock, which is costly in money and space.

Just-in-Time (JIT) inventory systems, which receive commodities just as needed in production, can reduce waste and accelerate technical improvements. In R&D, this methodology assures engineers have fast access to materials without delays that might slow progress.

Effective inventory systems also boost sustainability. By eliminating overproduction and stock, we save money and help support the technology ecosystem.

As we develop environmentally friendly technology, this is vital. While technical engineering innovation is important, excellent inventory management is the silent partner that drives efficiency, reduces costs, and supports cutting-edge technology development.

Engineers should include inventory management in their processes. Our technology will be cost-effective, sustainable, and innovative faster.



Mr. Deep Kamal Sharma M.Sc. (Mathematics), P.hD (Pursuing)



















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STUDENT CORNER

INDIAN CULTURE: A TAPESTRY OF DIVERSITY AND HERITAGE

India, one of the world's oldest civilizations, is a land of immense cultural diversity and rich heritage. The culture of India is a unique blend of traditions, languages, festivals, art forms, and philosophies that have evolved over thousands of years.

India is home to over 1,600 languages, with Hindi being the most widely spoken. India recognizes 22 official languages listed in the Eighth Schedule of its Constitution.

India is the origin of four major religions: Hinduism, Buddhism, Jainism, and Sikhism. It is also home to followers of Islam, Christianity, Judaism, and Zoroastrianism, fostering a spirit of coexistence. Religious festivals such as Diwali, Holi, Eid, Christmas, and Guru Nanak Jayanti reflect the country's pluralistic ethos and cultural unity in diversity.

Indian culture is a magnificent mosaic of traditions, beliefs, and customs that continue to inspire people globally.

Aman Kumar Mishra

EE. I Year

GENERAL CORNER- QUIZ

General Knowledge Questions

- 1. What is the capital of France?
- 2. Which planet is known as the "Red Planet"?
- 3. Which country is known as the "Land of the Rising Sun"?
- 4. What is the highest mountain in the world?
- 5. How many oceans are there in the world?
- 6. Name the primary colours?
- 7. What type of gas is absorbed by plants?
- 8. Name a bird that lays the largest eggs?
- 9. Which continent is known as the 'Dark' continent?
- 10. Name the largest 'Democracy' of the world?

Answers of Previous Newsletter General Corner (Oct-Dec'2024)

1. Camel

2. Vande Mataram

3. Banyan Tree

4. Australia

5. Blue Whale

6. Tibetan plateau

7. President of India 8. Eight UT

9. Neil Armstrong

10. Neil River















27 March - World Theatre Day

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"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.

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CHIEF EDITOR Prof. Umesh Kumar Director

IIMT College of Polytechnic

FACULTY COORDINATOR

Ms. Nishu Sharma Lecturer, ME-P



Dr. Chitra Gupta Senior Lecturer, ASH





Mr. Manish Kumar Lecturer, CE



Mr .Manoj Yadav Lecturer, EE

STUDENTS COORDINATOR

Yogendra Kr, Thakur ME (P) 3Yr

Aman Chaudhary CE 2Yr

Prince Kumar CE 1 Yr

Divya Singh EE 1 Yr

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