



**CHANDIGARH
ENGINEERING COLLEGE
CGC, LANDRAN, MOHALI**
Building Careers. **Transforming Lives.**

The Communiqué

(Capturing Moments, Preserving Memories)

News Magazine | Volume-39

ISSUE JAN 2026 - MAR 2026

An Institution of Excellence

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Vision of the Chandigarh Engineering College- CGC, Landran, Mohali

To become a leading institute of the country for providing quality technical education in a research based environment for developing competent professionals and successful entrepreneurs.

Mission of the Chandigarh Engineering College- CGC, Landran, Mohali

1. To provide state of the art infrastructure and engage proficient faculty for enhancing the teaching learning process to deliver quality education.
2. To give a conducive environment for utilizing the research abilities to attain new learning for solving industrial problems and societal issues.
3. To collaborate with prominent industries for establishing advanced labs and using their expertise to give contemporary industry exposure to the students and faculty.
4. To cater opportunities for global exposure through association with foreign universities.
5. To extend choice based career options for students in campus placements, entrepreneurship and higher studies through career development program.







Dr. Rajdeep Singh
Campus Director
CGC Landran, Mohali

Dear Students, Faculty, and Staff,

It gives me immense pleasure to address our readers through the 39th edition of *Communiqué*, the quarterly magazine of CEC-CGC. This edition reflects the vibrant spirit of our institution, bringing together academic accomplishments, research initiatives, technical innovations, cultural celebrations, sporting achievements, and the remarkable contributions of our students and faculty. Each page captures the passion, creativity, and excellence that define our campus.

More than a chronicle of events, *Communiqué* is a celebration of our shared commitment to learning, innovation, and continuous growth. It showcases the collective efforts of our academic community and the milestones that inspire us to aim even higher.

I extend my sincere appreciation to all the contributors, editors, faculty coordinators, and students whose dedication has made this edition possible. I hope you find these pages both engaging and inspiring, and that they reflect the values and aspirations that continue to shape CEC-CGC.



Dr. Sukhpreet Kaur
Director Principal

Dear Readers,

It is a privilege to share a few thoughts as we bring forth the **39th edition of *Communiqué***. This edition celebrates the vibrant academic and campus life of CEC-CGC, bringing together stories of research, creativity, innovation, and accomplishments that reflect the dedication of our students, faculty, and staff. Every contribution featured here is a testament to the passion, perseverance, and collaborative spirit that continue to enrich our institution.

At CEC-CGC, every classroom, laboratory, and learning space serves as a platform for exploration, creativity, and meaningful engagement. It is truly gratifying to witness our students and faculty embracing new challenges, transforming ideas into impact, and contributing to an environment that thrives on curiosity and purpose.

I extend my sincere appreciation to the editorial team and every contributor for their efforts in making this edition a true reflection of our campus. I hope these pages inspire, inform, and instil pride in every reader.

Best Wishes!



From the Editor's Desk....

Dear Readers,

It gives me immense pleasure to present the **39th edition of *Communiqué***, the quarterly magazine of CEC-CGC Landran. Every quarter begins with a blank page and countless stories waiting to be told. Yet, the greatest challenge has never been finding stories—it has always been deciding which ones to feature. This edition was no exception. From groundbreaking research and innovative projects to sporting triumphs, cultural celebrations, entrepreneurial ventures, and countless moments of personal growth, our campus continues to thrive with energy, creativity, and purpose. The true story of CEC-CGC Landran is not confined to a single achievement; it is woven from hundreds of inspiring journeys that unfold every day. This magazine is our sincere effort to capture a glimpse of that vibrant spirit.

Behind every page lies the collective effort of individuals who have contributed their creativity, passion, and commitment to make this publication possible. I extend my heartfelt appreciation to our editorial team, contributors, faculty members, and students, whose enthusiasm and dedication have transformed this magazine into a meaningful reflection of our institution's vibrant academic and cultural landscape.

More than a quarterly publication, *Communiqué* is a repository of ideas, achievements, and memories—a chronicle of our shared journey and an enduring testament to the values, aspirations, and excellence that define CEC-CGC Landran. As you turn these pages, I hope you find inspiration in the stories, celebrate the milestones, and take pride in being part of this ever-evolving legacy.

Happy Reading!!!

Dr. Inderjot Kaur
Editor-in-Chief



7RANKING & AWARDS 2026

1 Dataquest T School Rankings 2026

- 1st Rank among Top T schools in Punjab.
- 5th Rank among Top T schools in India (Zone Wise-North).
- 16th Rank among the Top Private T-Schools in India.
- 18th Rank among Top 100 T-Schools (Government and Private) in India.

2 Careers 360 Rankings 2026

- Awarded AAAA (Excellent) Rating in the National Engineering Education Rankings 2026.

3 GHRDC Engineering Survey 2026

- 1st Rank in Top Engineering Colleges by State (Punjab).
- 1st Rank among Top Engineering Colleges of Emerging Super Excellence in India.
- 4th Rank in Top Engineering Colleges by Region (North).
- 9th rank among Top Engineering Colleges in India (Govt.+ Private).

4 Outlook I-Care Rankings 2026-India's Best Colleges

- 47th among top 200 private institutes in India.
- 2nd private institute among Punjab including (University's Institutes).
- 1st among private colleges in Punjab (excluding university's Institutes).

5 India Today Ranking 2026

- 1st Rank in Private Colleges in Punjab (Self-Financed)
- 48th Rank across country Private Colleges (Old Rank: 52th)
- 74th Rank across country Private and Govt Colleges (Old Rank: 80th)

6 THE WEEK-Hansa Research Survey 2026-ENGINEERING COLLEGES

- 61st Rank in Govt and Private All Over India
- 36th Rank in Private Colleges in all over India
- 8th in North Zone Govt and Private Colleges in all over India.
- 1st Rank in Private College in Punjab (Self-Financed)
- 2nd Rank in Private Colleges (Including Universities) in Punjab

7 IIRF Ranking 2026

- Best Private Engineering Colleges (Autonomous/Affiliated) – State Rank: 1st
- Best Private Engineering Colleges (Autonomous/Affiliated) – North Rank: 6th
- Best Private Engineering Colleges (Autonomous/Affiliated) – All India Rank: 36th

8 Education World India Higher Education Rankings Awards 2026

- Best Academic-Industry Alliance – 6th in India
- Best Academic-Industry Alliance – 1st in Punjab
- Best Academic-Industry Alliance – 1st in Mohali

9 TOP EMERGING ENGINEERING COLLEGES OF SUPER EXCELLENCE-CSR Engineering Survey 2026

- 2nd in India

10 DQ-CMR T-Schools Survey 2026

- 18th Top 100 T-Schools in India 2026 (overall): government and private sector.
- 16th Top T-Schools in India 2026 (Private).
- 5th in Top T-Schools in India 2026 (Zone Wise-North).
- 1st in Top T-School in Punjab 2026.

11 NIRF 2025 Engineering and Overall Category

- Positioned in the 101-150 band, Engineering Category.
- Positioned in the 151-200 band, Overall Category.

12 Chandigarh Engineering College-CGC Landran, Punjab, has been selected for certification under the prestigious "Institution of Happiness (IOH)" project 2025 conducted by QS I-GAUGE.

13 Chandigarh Engineering College (CEC)-CGC Landran has been conferred with the prestigious Platinum Rating certification in the QS I-GAUGE College Ratings 2025. The detail is given below:

- Teaching and Learning-Platinum
- Faculty Quality-Platinum
- Employability-Platinum
- Diversity and Accessibility-Platinum
- Facilities-Platinum
- Social Responsibility-Platinum
- Governance and Structure-Platinum
- Entrepreneurship-Platinum
- Innovation-Platinum

14 Autonomous Status for 10 Years by UGC

- University Grants Commission Conferred **AUTONOMOUS STATUS** to **Chandigarh Engineering College CGC Landran** for **10 years** from academic year **2025-35**.

15 Chandigarh Engineering College-CGC, Landran has been ranked 7th in Punjab in the Education World India Higher Education Rankings 2025-26 under the category Private Engineering Institutes.

16 NAAC A+ Grade obtained in March 2024

- CEC-CGC Landran has achieved NAAC A+ Grade by NAAC



CEC–CGC Landran achieves outstanding recognition in GHRDC Engineering Survey 2026

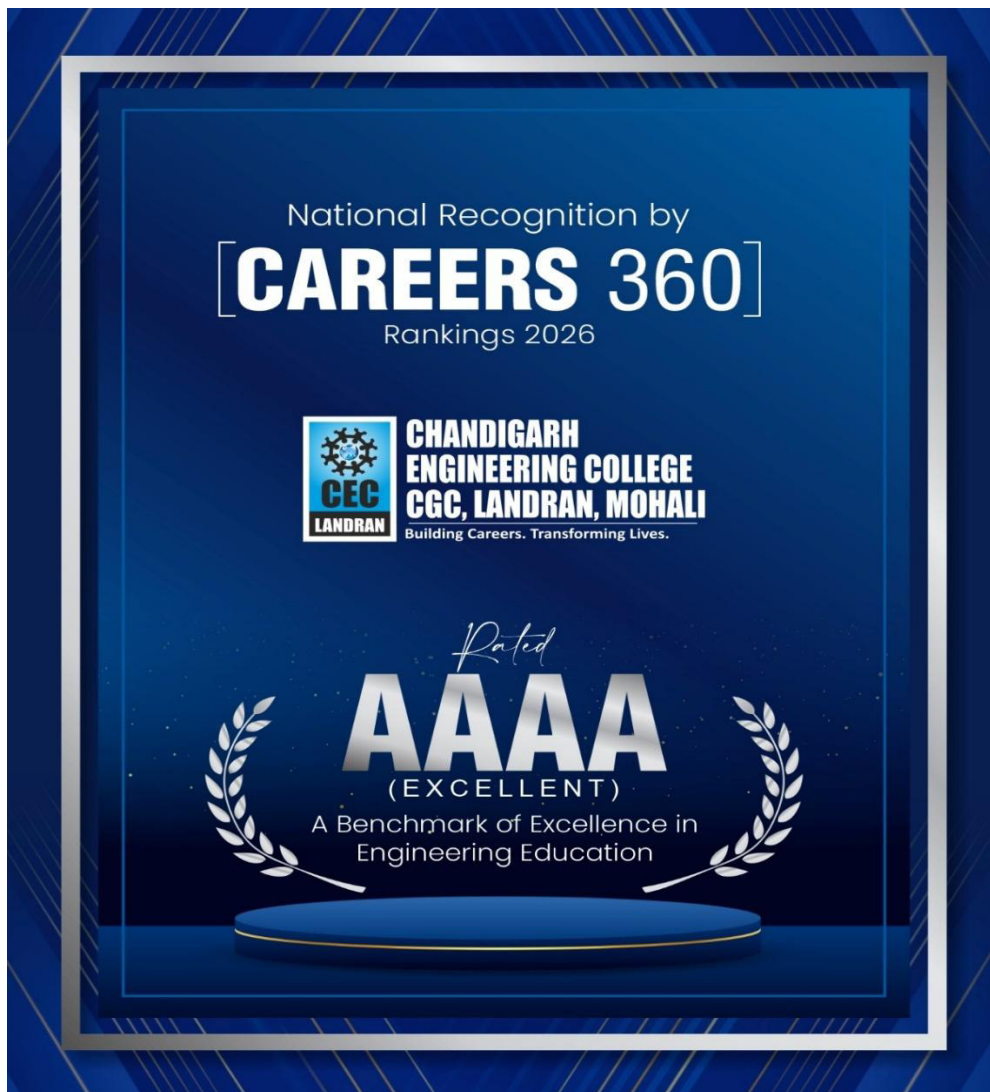
Chandigarh Engineering College (CEC), CGC Landran, has achieved a remarkable milestone in the GHRDC Engineering Survey 2026, reinforcing its position as one of India's leading engineering institutions. The college secured the 1st Rank among Top Engineering Colleges by State (Punjab) and the 1st Rank among Top Engineering Colleges of Emerging Super Excellence in India. Further strengthening its national standing, CEC–CGC Landran was awarded the 4th Rank among Top Engineering Colleges by Region (North) and the 9th Rank among Top Engineering Colleges in India (Government + Private). These prestigious recognitions reflect the institution's unwavering commitment to academic excellence, innovation, industry-oriented education, world-class infrastructure, and holistic student development, further establishing CEC–CGC Landran as a preferred destination for aspiring engineers.



GHRDC Ranking 2026

A Mark of Excellence: CEC–CGC Landran Secures Prestigious AAAA Rating

Reaffirming its commitment to academic excellence and quality engineering education, CEC–CGC Landran has been awarded the prestigious AAAA (Excellent) Rating in the Careers360 National Engineering Education Rankings 2026. This distinguished recognition reflects the institution's consistent focus on delivering world-class education through innovative teaching methodologies, industry-aligned curriculum, cutting-edge infrastructure, impactful research, and outstanding placement opportunities. The achievement further strengthens CEC–CGC Landran's position among India's leading engineering institutions and stands as a testament to the dedication of its faculty, students, alumni, and leadership in nurturing future-ready engineers.



Rating in Careers 360

CEC-CGC Excels in IIRF Rankings 2026 with Top State and National Recognition

Chandigarh Engineering College (CEC), CGC Landran has added another prestigious milestone to its journey of academic excellence by securing outstanding positions in the IIRF Rankings 2026. The institution has been ranked 1st among Best Private Engineering Colleges (Autonomous/Affiliated) in Punjab, reaffirming its leadership in the state. It also secured the 6th position in North India and an impressive 36th rank across India in the same category. These remarkable achievements reflect CEC-CGC's unwavering commitment to delivering quality technical education, fostering innovation, promoting research, and ensuring exceptional career outcomes for its students. The rankings further strengthen the institution's reputation as one of India's leading destinations for aspiring engineers.



CEC-CGC's IIRF Rankings 2026

CEC-CGC Secures Top Honours in Dataquest T-School Rankings 2026

Chandigarh Engineering College (CEC), CGC Landran has earned yet another prestigious recognition by securing remarkable positions in the Dataquest T-School Rankings 2026. The institution has been ranked 1st among the Top T-Schools in Punjab, 5th among the Top T-Schools in North India (Zone Wise), 16th among the Top Private T-Schools in India, and 18th among the Top 100 T-Schools (Government and Private) in India. These impressive rankings reaffirm CEC-CGC's commitment to academic excellence, industry-oriented education, technological innovation, and holistic student development. The achievement further highlights the institution's growing national stature as a premier destination for quality technical education and future-ready engineering talent.



Dataquest Rankings 2026

Expert Talk on “Innovation in Thermal Engineering: Basics and Applications”

The Mechnorobs Club, Department of Mechanical Engineering, Chandigarh Engineering College – CGC, Landran, Mohali successfully organized an Expert Talk on “Innovation in Thermal Engineering: Basics and Applications” on 14th January 2026. The session was delivered by Dr. Sandeep Singh, Associate Professor, Punjabi University, Patiala, who shared valuable insights into the fundamental principles of thermal engineering and their wide-ranging applications in modern engineering systems. The expert elaborated on recent innovations, practical challenges, and emerging trends in key areas such as heat transfer, energy systems, and thermal system design, emphasizing their growing importance in both industrial and research domains.



Experts sharing valuable insights and participants learning during the talk

Expert Talk on “Non Linear Wave Propagation through Optical Fiber”

The Department of Applied Sciences CEC-CGC, Landran organized an Expert Talk on “Non Linear Wave Propagation through Optical Fiber” for B. Tech First-Year students on 17 March, 2026. The session was led by Dr. Amit Goyal, a distinguished researcher and academician in the field of optical fiber. The Expert talk was designed to provide an introduction to how signals propagate through optical fibers and to highlight their applications across various fields.



Physics Expert Talk

Expert Talk on “Preparing for Tomorrow: Waste-to-Energy as a Response to Energy Crisis”

A one-day Expert Talk on “Preparing for Tomorrow: Waste-to-Energy as a Response to Energy Crisis” was organized by the Mechnorobs Club, Department of Mechanical Engineering, Chandigarh Engineering College – CGC, Landran, Mohali on March 30, 2026. The session was conducted with the objective of creating awareness about sustainable energy solutions and addressing the growing global energy crisis through innovative waste-to-energy technologies.

The expert speaker for the session was Mr. J. P. Kundra, Consultant Engineer from Cheema Boilers, Kurali. He delivered an insightful talk on the concept of converting waste materials into useful forms of energy, highlighting its importance as an alternative energy source in the present scenario of depleting conventional fuels.

Mr. Kundra elaborated on various waste-to-energy technologies, their practical implementation, and industrial applications. He also discussed the environmental benefits, challenges, and economic feasibility of such systems, emphasizing their role in sustainable development and energy security.

The session was highly informative and interactive, enabling participants to understand real-world applications of waste-to-energy systems and encouraging them to explore innovative solutions for future energy demands. The talk proved to be an enriching experience, enhancing students’ awareness of emerging trends in energy engineering and sustainability.



Mr. J.P. Kundra delivering the Expert Talk

CSE Department organized Technical Event “TechTalk 2.0”

The Fusion Club of the Department of Computer Science, CGC Landran, organized a one-day insightful session by Mr. Varun Singla, Founder of Gate Smashers on Feb 12, 2026. The session was conducted by Mr. Varun Singla founder of Gate Smashers, a renowned educational platform known for its contribution to technical education and student career guidance.

The speaker shared valuable industry-oriented insights and practical strategies related to placements and internships. The session mainly focused on placements, internships, and preparation strategies. The speaker provided valuable guidance on skill development, resume building, and interview techniques. The event was highly interactive and proved to be informative and beneficial, enhancing students' career awareness and professional readiness. The primary objective of Tech Talk 2.0 was to provide students with practical guidance on placements, internships, and career preparation.

The event aimed to enhance students' awareness of essential technical and professional skills required to meet industry expectations. The event successfully engaged 500+ students, reflecting strong participation and interest. The session provided valuable insights into placement preparation, internship opportunities, and industry expectations.

Participants gained practical knowledge of interview techniques, skill development, and effective preparation strategies. The interactive nature of the session enabled students to clarify their queries and enhanced their confidence regarding career readiness.



Welcome of the Speaker by Campus Director & Director Principal

Expert Lecture on Spectroscopy

An expert talk on the “Principles and Applications of UV, IR, and NMR Spectroscopy” was organized by Applied Sciences Department on 13th March 2026 for the first-year engineering students. The session was delivered by Dr. Kashma, a Post-Doctoral scholar in Chemistry currently teaching at DAV College Sector 10 Chandigarh.

The primary objective of the session was to strengthen students’ conceptual and practical understanding of modern spectroscopic techniques. The expert explained the working principles, instrumentation, and step-by-step procedures involved in UV, IR, and NMR spectroscopy. She elaborated on electronic transitions in UV spectroscopy, molecular vibrations and functional group identification in IR spectroscopy, and structural elucidation using NMR spectroscopy. Students were guided on interpreting spectral graphs and understanding how different frequencies and absorption patterns help in determining molecular structure.

Dr. Sharma also highlighted the wide range of applications of spectroscopy in science and technology. She discussed its importance in chemical analysis, environmental monitoring, material characterization, pharmaceutical research, forensic investigations, medical diagnostics, and astronomical studies. Real-world examples and practical insights were shared to help students connect theoretical concepts with industrial and research applications.



Glimpse of the Expert Session

Expert Lecture on Differential Equations and its Applications

An expert talk on “Differential Equations and its Applications” was organized by Applied Sciences Department on 25th March 2026 for the first-year engineering students. The session was delivered by Dr. Brehmit Kaur, Assistant Professor in the Department of Mathematics at Sri Guru Granth Sahib World University, Fatehgarh Sahib. With over 15 years of rich teaching experience and significant research contributions in areas such as numerical techniques, singular perturbation and mathematical modeling, she has made a remarkable impact in the field of mathematics. The speaker was formally welcomed and honoured at the beginning of the session by Ms. Jasdeep Kaur, Assistant Professor of Mathematics in the department of Applied Sciences, who highlighted Dr. Brehmit Kaur’s remarkable contributions to the field of Mathematical Sciences. The expert, Dr. Brehmit Kaur, explained “Differential Equations” in a simple and clear way. She started with basic definitions and easy examples to build understanding. Then, she gradually introduced types like Ordinary differential equations and Partial differential equations. Her explanation focused strongly on real-life applications in physics, biology and engineering. She used important models and equations to make concepts practical. Modern topics like AI and machine learning are also included. She balanced theory with applications. Overall, her approach was student-friendly, structured and easy to follow.



Glimpse of the Mathematics Expert Talk

IT Department organized Eminence 2K26

Department of Information Technology successfully organized Eminence 2K26 on 25th March 2026, bringing together innovation, creativity, and competitive spirit under one platform. The event featured a diverse range of both technical and non-technical activities, encouraging students to showcase their skills beyond academics. More than 1000 Students from various colleges of CGC participated in the event. Technical events such as Debug-a-thon, Web-Art, Mini Shark Tank, Project Display, Technical Treasure Hunt, AI Video Generation, and Aptitude Quiz tested participants' problem-solving abilities, creativity, and technical expertise. Alongside, non-technical events like BGMI, Chess, Face-Painting, Arm-Wrestling, Photography, and Sketching added energy and enthusiasm to the fest. The event concluded with a prize distribution ceremony, where winners were recognized and awarded for their outstanding performances. Winners were facilitated with cash prizes of about 21000/-, trophies and certificates. Eminence 2K26 witnessed active participation and vibrant engagement, making it a memorable and successful event that celebrated talent, teamwork, and innovation.



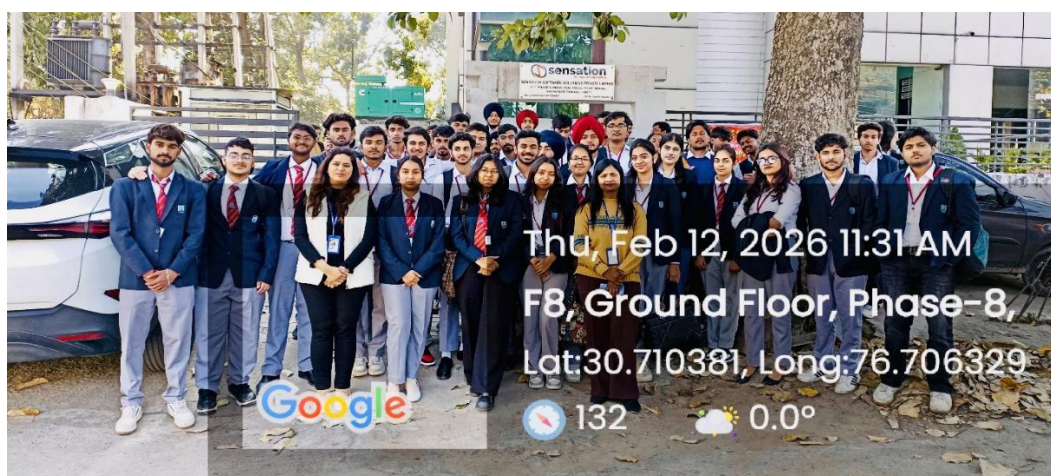
Lamp lighting during Eminence 2K26



Prize Distribution to winners

Industrial Visit to Sensation Software Solutions Pvt. Ltd.

The Applied Sciences Department of CEC-CGC, Landran organized an industrial visit to Sensation Software Solutions Pvt. Ltd. on 12th and 13th February 2026 for 2nd semester B.Tech Cyber Security & Computer Science Engineering students. The visit aimed to provide insights into the Software Development Life Cycle (SDLC), modern programming technologies, project management practices such as Agile methodology, and quality assurance processes. The visit helped bridge the gap between theoretical knowledge and practical implementation by showcasing live projects and client-based work. It also enhanced students' understanding of required technical and soft skills, workplace ethics, and potential career opportunities in the software sector.



Industrial Visit - Sensation Software Solutions Pvt. Ltd. on 12th Feb 2026



Industrial Visit - Sensation Software solutions Pvt. Ltd. on 13th Feb 202668

Industrial Visit to P2P Analysis and Solutions, Zirakpur

An industrial visit to P2P Analysis and Solutions was organized by the Department of Mechanical Engineering, Chandigarh Engineering College – CGC, Landran, Mohali on January 27, 2026. The visit aimed to provide students with practical exposure to industrial operations and modern technological practices. During the visit, students were introduced to various analytical tools, testing procedures, and quality control techniques used in industrial applications. The experts at the organization explained real-time problem-solving approaches, data analysis methods, and their relevance in improving efficiency and productivity.



A glimpse of the Industrial Visit to P2P Analysis and Solutions, Zirakpur

Industrial Visit to SML Isuzu Limited, Ropar

The Applied Sciences Department of CEC-CGC, Landran organized an industrial visit to SML Isuzu Limited, Ropar on 17th February, 2026 for 2nd semester B.Tech ECE students to give them practical exposure to industrial environment and helping them understand real-life applications of engineering. The visit aimed to enhance understanding of manufacturing process of vehicles, modern manufacturing techniques such as automated welding, painting, engine installation, quality inspection procedures, safety standards and create awareness about career opportunities in automobile industry. Students learnt about the various stations involved in making of an automobile and various safety precautions to be taken.



Industrial visit to SML Isuzu Limited, Ropar

Industrial Visit to Sensation Software Solutions Pvt. Ltd., Mohali

The Department of Computer Science & Engineering at Chandigarh Engineering College (CGC), Landran, organized an industrial visit to Sensation Software Solutions Pvt. Ltd. on Feb 10, 2026. During the visit, students were introduced to the company's working environment and they gained insights into different stages of the software development lifecycle, including requirement analysis, design, development, testing, and deployment. Industry experts explained how modern technologies and programming frameworks are used to develop innovative digital solutions for businesses. Students also visited different departments such as web development, quality assurance, and digital marketing to understand their roles in project execution.



Students attending the technical session



Group photograph of students and the faculty

CSE Department organized Project Display competition “CODENOVA”

The Fusion Club of the Department of Computer Science & Engineering at Chandigarh Engineering College (CGC), Landran organized CODENOVA Competition, the ultimate project display challenge, in collaboration with Geeks for Geeks on 11th March 2026. The event was designed to bring together passionate coders and innovative thinkers to test their programming skills, problem-solving abilities, and creativity. Participants competed in an intense coding challenge followed by an opportunity to present innovative ideas through an idea-pitching session.



Certificate distribution to the participants

Workshop on “Code2Product - An Engineer’s Journey Beyond Code”

The Hack with India Club of the Department of Computer Science & Engineering at Chandigarh Engineering College (CGC), Landran organized a workshop titled “Code2Product - An Engineer’s Journey Beyond Code” on 14th March 2026. The session was conducted by Udayveer Singh, an engineer-turned-product professional with experience in Web3 and fintech. The workshop provided students with valuable insights into product thinking, emerging technologies, and real-world industry practices. Students from the third to sixth semesters were invited to participate in the workshop.



Mr. Udayveer Singh delivering an interactive session

CSE Department organized “ACM ODYSSEY 2K26”

The Department of Computer Science & Engineering, Chandigarh Engineering College – CGC, Landran successfully organized ACM ODYSSEY 2K26, a large-scale technical fest under ACM CEC, on 20th March 2026. The event featured three major segments: XP Arena (Gaming Battle), Hidden Heist (Treasure Hunt), and Tectonic Talks (Podcast Event). XP Arena included competitive gaming events such as Free Fire and BGMI, engaging a combined total of 103 teams with 400 participants (160 + 240 participants). Hidden Heist involved 103 participants with 45 active teams solving logical puzzles and clue-based challenges. Tectonic Talks included 100 participants forming 24 teams, where students demonstrated creativity and communication skills through podcast sessions.



Students participating in Tectonic Talks (podcast Event)



Prize Distribution to the winners

Expert Session on “How to plan for Start-up and legal & Ethical Steps”

The Department of Electronics and Communication Engineering, Chandigarh Engineering College, CGC-Landran organized an expert session on “How to Plan for Start-up and Legal & Ethical Steps” on 30th January, 2026. The session was delivered by Dr. Dinesh Arora, Professor and IPR Head who provided valuable guidance on transforming innovative ideas into successful start-ups. He explained the importance of proper planning, market analysis, and developing a clear business model for building a sustainable venture.



Expert Talk by Dr. Dinesh Arora

“Industrial Visit to Solitaire Infosys, Pvt, Ltd, Mohali”

The Department of Electronics and Communication Engineering, Chandigarh Engineering College CGC - Landran organized an industrial visit to Solitaire Infosys Pvt. Ltd. , Mohali on 17th February, 2026. The main objective of the visit was to provide students with exposure to current and emerging industrial requirements and to bridge the gap between theoretical knowledge and practical implementation.



Industrial Visit to Solitaire Infosys, Pvt, Ltd, Mohali

Workshop on 3D's Drone: Design, Development & Demonstration

The Department of Electronics and Communication Engineering, Chandigarh Engineering College (CGC), Landran, in collaboration with Sofly Innovations Pvt. Ltd., organized a one-day workshop on “3D's of Drone: Design, Development & Demonstration for Initiation of Entrepreneurial Journey” on 18th February 2026. The session was conducted by Mr. Munish Pandit, Drone Engineer, who shared valuable insights into drone technology, including its design, components, and real-world applications.



Workshop on 3D's Drone: Design, Development & Demonstration

Industrial Visit to Wonder Automation Pvt. Ltd.

The Department of Electronics and Communication Engineering, Chandigarh Engineering College (CGC), Landran, organized an industrial visit to Wonder Automation Pvt. Ltd., Mohali, Punjab, on 26th February 2026. The visit aimed to provide students with practical exposure to industrial automation technologies and their real-world applications.



Industrial Visit to Wonder Automation Pvt. Ltd.

Industrial Visit to PUNCOM, Mohali

The Department of Electronics and Communication Engineering, Chandigarh Engineering College (CGC), Landran, organized an industrial visit to PUNCOM, Mohali on 3rd March 2026. The session provided students with insights into electronic equipment manufacturing and communication systems. Students explored various departments, learned about real-world applications, and observed advanced machines and testing equipment.



Industrial Visit to PUNCOM, Mohali

Expert Talk on “Bachelor’s Education: How to Fix Things”

The Department of Electronics and Communication Engineering, in association with Techcomm professional Society (TPS) and the Institute of Electrical and Electronics Engineers (IEEE), organized an expert talk on “Bachelor’s Education: How to Fix Things” on 16th February, 2026 at Chandigarh Engineering College, CGC-Landran. The session aimed to enhance innovation and problem-solving skills among students.

The session was delivered by Mr. Ramneek Kalra, IEEE Impact Creator, who guided students on identifying real-world problems and developing feasible engineering solutions. The talk covered key aspects such as problem identification, solution design, and technology selection. Through interactive discussions and Q&A, students gained practical insights into applying theoretical knowledge. The session successfully bridged the gap between academics and real-world applications, promoting innovation, critical thinking, and industry-oriented learning among students.



Expert Talk on “Bachelor’s Education: How to Fix Things”

Expert Talk on “GitHub Essentials: A Hands-on Session”

The Department of Electronics and Communication Engineering, in collaboration with EPC (Electronics and Project Club), organized an expert session on “GitHub Essentials: A Hands-on Session” on 9th March 2026 at CGC-Landran. The session focused on Git, version control, and collaborative development practices. Conducted by Mr. Vikas Kumar Yadav, the session included live demonstrations and hands-on activities on repository creation, code management, and workflows like branching and pulls requests.



Expert Talk on “GitHub Essentials: A Hands-on Session”

Workshop on “Circuit Design, Simulation and Rapid Prototyping using Proteus VSM”

The Department of Electronics and Communication Engineering, in collaboration with IIC-CEC Landran and Cybermotion Technologies Pvt. Ltd., organized a workshop on “Circuit Design, Simulation and Rapid Prototyping using Proteus VSM” on 9th March 2026 at CGC-Landran. The session focused on circuit design, simulation, and prototyping techniques. The workshop was conducted by Er. Tilokesh Mallick and team, who introduced students to designing and testing circuits using Proteus VSM.



Workshop on “Circuit Design, Simulation and Rapid Prototyping using Proteus VSM”

Industrial Visit to Gilard Electronics Pvt. Ltd.

The Department of Electronics and Communication Engineering, in association with IIC, organized an industrial visit to Gilard Electronics Pvt. Ltd., Mohali on 12th March, 2026 at CGC-Landran. The visit aimed to provide practical exposure to electronics manufacturing and industrial processes.



Industrial Visit to Gilard Electronics Pvt. Ltd.

Expert Lecture on “Happy and Prosperous Life through Right Understanding”

The Department of Electronics and Communication Engineering in collaboration with the Universal Human Values (UHV) Potential Nodal Center organized an expert lecture on “Happy and Prosperous Life through Right Understanding” on 12th March, 2026 at Chandigarh Engineering College, CGC-Landran. The session aimed to sensitize students towards the importance of human values, ethical living, and achieving a balanced and harmonious life through right understanding. The lecture was delivered by Dr. Garima Joshi, University Co-coordinator, UHV Cell, UIET, Panjab University, Chandigarh.



Expert Lecture on “Happy and Prosperous Life through Right Understanding”

ET Department Organized SQUID-O-TECH Hackathon

The Department of Emerging Technologies at Chandigarh Engineering College, CGC Landran successfully organized a two-day hackathon, SQUID-O-TECH: AI for Smarter Solutions, on 2nd & 3rd February 2026, in collaboration with Coding Ninjas and the 10X Club. The hackathon featuring multiple competitive rounds focused on coding, logic building, and team-based challenges provided participants with an opportunity to test their technical skills, collaborate with peers, and apply innovative thinking to real-world problem-solving scenarios. The competition concluded with Sumit Kumar securing First Position, while Rajat Rana achieved the Runner-Up position.



Sumit Kumar and Rajat Rana receiving the winning cash prize

Safer Internet Awareness Session Organized by Emergians Club

The Department of Emerging Technologies at Chandigarh Engineering College, CGC Landran observed Safer Internet Day 2026 with an insightful awareness session titled “Smart Tech, Safe Choices: Exploring the Safe and Responsible Use of AI.” The keynote address was delivered by Dr. Jasmeen Kaur, a Cyber Security Expert, who shared valuable insights on cyber hygiene, safe online practices, emerging cyber threats, and the responsible use of artificial intelligence. This initiative was aligned with the Information Security Education and Awareness Project, supported by the Ministry of Electronics and Information Technology.



Expert sharing insights on cyber threats & safety measures

Expert Session on “Leveraging Artificial Intelligence for Innovation, Design & Problem Solving”

The Department of Information Technology, CEC CGC Landran, organized an Expert session on “Leveraging Artificial Intelligence for Innovation, Design & Problem Solving” on 22nd January 2026. The session aims to equip students with in-depth knowledge of emerging AI technologies. This Event is held under the MIC-driven activity titled “AI for Atamnirbhar Bharat: HEI Pre-Summit Engagements towards IndiaAI Impact Summit 2026” in collaboration with IIC and XenonStack. During the Session, the Expert discussed the limitations of traditional software systems and how modern Artificial Intelligence overcomes these challenges through learning and adaptability. The Fundamentals of Generative AI were explained with its applications in content creation, design, and automation. The classical phases of design thinking—Empathize, Define, Ideate, Prototype, and Test—were elaborated, highlighting how AI tools can enhance each stage for innovative and user-centric solution development.



Speaker addressing Students and Faculty members



Speaker facilitated by Head of the Department

Orientation Session on Institution's Innovation Council (IIC)

The Department of Information Technology, in association with the Institution's Innovation Council (IIC), CEC–CGC Landran, organized an Orientation Session on IIC on 14 January 2026. The session aimed to familiarize students and faculty members with the objectives, structure, and functioning of the Institution's Innovation Council, an initiative of the Ministry of Education (MoE) through MoE's Innovation Cell (MIC). The session was held by Dr. Amanpreet Kaur, President, CEC–CGC IIC and Head of Department (IT), who elaborated on the role of IIC in building a strong culture of innovation, entrepreneurship, and research within the campus. Participants were introduced to national platforms such as YUKTI – National Innovation Repository, the Innovation Ambassador Program, and the various types of IIC activities, including calendar-driven, self-driven, MIC-driven, R&D cell, climate cell, and celebration day activities. Dr. Dinesh, Head – Centre for Boudhik Sampada, CGC Landran, also briefed the students on patent filing procedures and the associated benefits.



Speaker addressing students



Faculty members and students attending session

Industrial Visit to Antier Solutions

The Department of Information Technology, CEC CGC Landran, organized an Exposure Visit to Antier Solutions on 26th Feb, 2026. The session featured Mr. Tanveer -Marketing Head, Antier Solutions. The visit aimed to bridge the gap between academic learning and real-world industry practices. The visit began with a guided company tour, where students explored the office infrastructure, work environment. This helped them understand how an IT organization operates and manages projects professionally. The experts shared insights on industry trends, required technical skills, and career opportunities for students. Overall, the visit was informative and motivating, offering valuable exposure to professional IT practices and global career prospects.



Faculty members and students attending session



Speaker addressing the students

Industrial Visit to Bebo Technologies

The Department of Information Technology, CEC-IIC organized an industrial visit on Bebo Technologies on 3rd Feb 2026 to provide students with practical exposure to the IT industry and corporate work culture. The visit aimed to bridge the gap between academic learning and real-world industry practices. The experts shared insights on industry trends, required technical skills, and career opportunities for students. Overall, the visit was informative and motivating, offering valuable exposure to professional IT practices and global career prospects.



Students attending the session



Speaker addressing the students

Expert Session on Intellectual Property Rights (IPR) Awareness with Start-up Legal and Ethical Steps

An expert session on Intellectual Property Rights (IPR) Awareness with Start-up Legal and Ethical Steps was conducted on 7th April 2026 at Chandigarh Engineering College (CGC), Landran. The session was delivered by Dr. Dinesh Arora, who provided valuable insights into the importance of intellectual property, patents, and legal procedures for protecting innovations. The session covered key topics such as types of IPR, patent filing process, acts related to IPR, and support available for startups through initiatives like Atal Innovation Mission. It helped students understand the role of IPR in innovation, entrepreneurship, and ethical business practices. Overall, the session was informative and encouraged students to secure and develop their ideas effectively.



Students attending the session



Speaker interacting with students

MBA department organized “Budget Conclave 2026”

The “Budget Conclave 2026” was successfully organized by the Finance Club of the MBA Department at Chandigarh Engineering College (CEC), CGC, Landran, Mohali on 3 February 2026 in the Seminar Hall.

The seminar aimed to develop an analytical understanding of the Union Budget 2026 by familiarizing students with key fiscal priorities and newly introduced concepts such as fiscal consolidation roadmap, capital expenditure-led growth, digital public infrastructure, outcome-based budgeting, green financing initiatives, inclusive growth measures, tax rationalization, MSME support, and revitalized public-private partnership frameworks.

MBA students delivered insightful presentations followed by interactive question-and-answer sessions, encouraging critical evaluation, peer learning, and informed discussion. The seminar enhanced students’ financial awareness, analytical capabilities, and presentation skills, thereby reinforcing the institution’s commitment to experiential learning and academic excellence.

The organizing team extends sincere thanks to Dr. Maninder Singh Gill, Head of the Department, respected faculty members, and participating students for their guidance, support, and active involvement in making the event a success.



Budget Conclave 2026

Expert Talk on Decoding the Marketing Matrix: Strategic Growth Hacking and Viral Loop Design

The marketing expert talk was organized in February 2026 to provide MBA students with in-depth knowledge of contemporary marketing practices. The session was delivered by Mr. Nitish Chawla, an experienced marketing professional, who shared valuable insights into growth hacking, viral loop design, and strategic brand building. The speaker focused on eliminating marketing phobia among students by simplifying complex marketing concepts and relating them to real-life business scenarios. The session covered key topics such as product positioning, the difference between marketing and selling, evolution of marketing thought, brainstorming techniques, the new era of marketing, brand creation, and various marketing channels. The expert explained how modern businesses leverage innovation, creativity, and digital platforms to achieve sustainable growth. Real-world examples and interactive discussions made the session engaging and informative. The talk helped students understand how marketing is not limited to selling products but involves understanding customer needs, creating value, and building long-term relationships.



Faculty members and students attending the session



Speaker getting appreciation by Head of the Department

HR Conclave on “Humanizing AI: Leading a Multi-Generational Workforce in the Digital Era”

The Department of Business Administration (MBA Department) of Chandigarh Engineering College (CEC), Landran, in association with the National Institute of Personnel Management (Punjab Student Chapter), successfully organized HR Conclave 2K26, a two-day academic and industry engagement event aimed at providing students with exposure to contemporary HR practices, emerging technologies, and real-world industry insights on 11th March 2026. The conclave was designed to create a platform where students, academicians, and industry professionals could interact, exchange ideas, and discuss the evolving role of Human Resources in the digital era, particularly in the context of Artificial Intelligence and a multi-generational workforce.

The first day of the conclave featured an Inter-College Quiz Competition, which witnessed enthusiastic participation from 25 teams, each comprising two members from MBA and BBA programs. The HR Conclave 2K26 featured an engaging panel discussion with eminent industry experts, centred on the theme “Humanising AI: Leading a Multi-Generational Workforce in the Digital Era.” The second day commenced with inspiring keynote addresses by Arvind Kumar, Founder & CEO of Interlit Services Pvt. Ltd., and Shikha Gupta, Head of Learning & Development at Grazitti Interactive.



Glimpse of HR Conclave

Industrial Visit to The Tribune

An industrial visit was organized by the Department of Business Administration (MBA), CEC-CGC Landran, for the 2nd Semester MBA students to The Tribune, located at Sector 29, Chandigarh, on 13th March, 2026, to provide students with practical exposure to the working environment of a well-established media organization. Industrial visits are an important part of management education as they help students understand how theoretical concepts learned in the classroom are applied in real business situations. During the visit, the students were welcomed by Mr. Karam Vir (Assistant Manager) and Mr. Aman Gulati (Co-Ordinator Press) of the organization, who provided an overview of the history, functioning, and role of the newspaper in the media industry. The students were introduced to the organizational structure and the various departments involved in the process of publishing a newspaper, such as the editorial department, printing unit, marketing and advertising division, and circulation management.

This industrial visit provided the students with valuable industrial exposure, allowing them to gain insights into real-life organizational practices, work culture, and management processes followed in the media sector.



Glimpses of Industrial Visit at The Tribune

Workshop on Raising Capital and Financial Management for Start-ups

Department of Business Administration, Chandigarh Engineering College CGC Landran organized a workshop from 12-13th March 2026 on “Raising Capital and Financial Management for Start-ups”. The workshop was delivered by Dr. Amresh Kumar, a distinguished academician, innovator, and mentor known for his expertise in start-ups, innovation, and entrepreneurship. He has guided numerous students and aspiring entrepreneurs through practical insights and real-world experience.

The workshop focused on providing practical insights into start-ups, including idea generation, financial planning, and capital raising strategies. Dr. Amresh Kumar introduced students to the Design Thinking approach, emphasizing user-centric innovation and problem-solving.

The session included discussions on successful start-up journeys such as Zomato, Ola Cabs, Uber, Practo, and Airbnb. These examples helped students understand real-world challenges and success factors in entrepreneurship. Additionally, case studies such as Jeevan Bindi and Aarambh Help Desk were discussed to highlight the importance of social innovation and problem-solving.



Speaker addressing the students

MBA Department organized Presentation of Business Plans & Mentor Linkages

The Department of Business Administration, CGC Landran, organized “Presentation of Business Plans & Mentor Linkages” on 9th April 2026. MBA students presented innovative business ideas in teams. The event enhanced entrepreneurial thinking, presentation skills, and practical knowledge. Expert feedback and awards motivated participants, making the event successful and impactful for learning.

The event significantly enhanced students’ entrepreneurial mindset and confidence in presenting business ideas. Participants developed practical skills in business planning, market analysis, and structured pitching. It improved communication, teamwork, and critical thinking abilities. Expert feedback helped students refine their ideas and understand real-world challenges. The activity also fostered innovation and competitiveness, while strengthening industry readiness. Overall, it provided valuable experiential learning and motivated students to pursue entrepreneurial ventures.



Glimpse of the event



The

Knowledge *Pages*



Articles by the Faculty



How AI is Revolutionizing Electronics and Communication Engineering



Article by: Dr. Rinkesh Mittal
Professor, ECE Department

Artificial Intelligence (AI) has rapidly moved from being a futuristic concept to an essential part of modern technology. While it is often associated with software applications like chatbots and recommendation systems, its impact on Electronics and Communication Engineering (ECE) is equally profound. AI is not just enhancing existing systems—it is redefining how electronic and communication systems are designed, optimized, and utilized.

One of the most significant contributions of AI in ECE is in the field of signal processing. Traditional signal processing techniques rely on predefined algorithms to filter noise and extract useful information. However, real-world signals are often complex and unpredictable. AI-based models, particularly machine learning algorithms, can analyze patterns in data and adapt dynamically. This results in more accurate speech recognition, improved image processing, and better noise reduction in communication systems.

In wireless communication, AI is playing a crucial role in improving network efficiency. Modern networks, especially 5G, are highly complex, with millions of devices connected simultaneously. Managing such networks manually is not practical. AI helps in optimizing resource allocation, predicting network congestion, and ensuring seamless connectivity. For instance, AI can analyze user behavior and adjust bandwidth distribution in real time, reducing latency and improving overall performance.

In conclusion, AI is bridging the gap between electronics and intelligence, transforming traditional systems into smart, adaptive solutions. For ECE students, this intersection of AI and electronics presents an exciting opportunity. By embracing both domains, they can become innovators in a rapidly evolving technological landscape.

Human Values: The Foundation of Harmony and True Happiness



*Article by: Dr. Simarpreet Kaur
Assistant Professor, ECE Department*

Human values constitute the essential foundation of a meaningful, ethical, and harmonious human existence. They are not merely theoretical ideals but intrinsically acceptable principles that guide thoughts, behaviour, and decision-making. Values such as trust, respect, empathy, integrity, and responsibility arise naturally within human consciousness and can be validated

through rational analysis and self-reflection. These values ensure coherence between what one thinks, says, and does, thereby eliminating inner contradictions and fostering clarity.

A crucial aspect of human values lies in their analytical understanding. Rather than blind acceptance, values are to be examined, verified, and internalized based on one's natural acceptance. This analytical approach enables individuals to distinguish between transient sensory pleasures and lasting happiness. While material achievements may provide temporary satisfaction, true happiness emerges from harmonious relationships, ethical conduct, and inner stability.

At the individual level, human values lead to self-regulation, mental peace, and a sense of purpose. In relationships, they manifest as mutual trust, respect, and unconditional acceptance, forming the basis of enduring harmony. At the societal level, they promote justice, cooperation, and inclusivity, ensuring collective well-being. Furthermore, when extended towards nature, these values encourage responsible utilization of resources and sustainable living, maintaining ecological balance.

In contemporary society, where materialism often overshadows ethical considerations, the role of human values becomes even more significant. Without them, progress may lead to imbalance, dissatisfaction, and conflict. Therefore, it is imperative to integrate human values into everyday life, ensuring that development remains aligned with ethical and sustainable principles. Ultimately, human values provide a comprehensive framework for achieving happiness, harmony, and fulfilment across all dimensions of life. Their conscious practice not only enhances individual well-being but also contributes to the creation of a just, peaceful, and sustainable society.

Communication Networks: Driving the Evolution from Connectivity to Intelligence



*Article by: Dr. Sukhdeep Kaur
Professor, ECE Department*

Communication networks form the essential backbone of modern digital infrastructure, enabling seamless data exchange across devices, systems, and users. Over time, they have evolved from simple communication links into advanced, scalable systems that support high-speed internet, real-time services, and global connectivity.

These networks transmit data through both wired media, such as optical fibers, and wireless technologies like radio and microwave signals. Optical communication plays a crucial role in long-distance transmission due to its high bandwidth and low attenuation. Modern communication relies on layered architectures like TCP/IP, where protocols manage reliable delivery, routing, and error control. Techniques such as packet switching, multiplexing, and Quality of Service (QoS) are essential for efficient bandwidth utilization and maintaining performance under varying network conditions.

Key performance parameters—including bandwidth, latency, jitter, and packet loss—determine the overall efficiency of a network. To address these challenges, advanced congestion control mechanisms and traffic management techniques are implemented, ensuring stable and reliable communication, especially for delay-sensitive applications like video streaming and voice communication.

The emergence of 5G and the Internet of Things (IoT) has significantly enhanced network capabilities by enabling ultra-fast speeds, low latency, and massive device connectivity.

As communication networks continue to advance, they are transforming from traditional data transmission systems into intelligent platforms that support innovation, automation, and smart infrastructure across various domains.

The Heart of Learning: Libraries as Cornerstones of Education



Article by: Ms. Ankita Sharma
Assistant Professor
Department of Emerging Technologies

Going to library and reading authentic books is the demand of time. It's as much crucial like eating healthy and nutritious food.

Authentic books not only keep our mind healthy but also open our mind in different dimension which is very much required in growing age. Relying on just internet data can give you shallow knowledge but if you have to reach the goal you will have to go to library, you will have to love the books.

Believe me this love will take you to the heights of your career.

Not only curriculum books, personality development books are as much essential. Both must go side by side. In today's hustle and bustle it's very hard to focus.

We are developing in many areas but at the same time we are losing one of the most essential characteristics that is focus.

Clean & Green Campus: A Pathway to Sustainable Living



Article by: Dr. Ekta Rastogi
Assistant Professor
MBA Department

A campus is more than just a place of learning- it is a living ecosystem that shapes its students' values, habits, and future mindset. In today's rapidly changing world, where environmental concerns are becoming increasingly urgent, the idea of a *clean and green campus* is no longer optional; it is a responsibility. Sustainability must begin at the grassroots level, and educational institutions are the perfect breeding grounds for this transformation.

Creating a clean and green campus starts with awareness and collective responsibility. Every individual-students, faculty, and staff-plays a crucial role. Simple habits such as proper waste disposal, reducing plastic usage, and maintaining cleanliness can collectively bring about significant change. Clean surroundings not only enhance the aesthetic appeal of the campus but also promote better health, productivity, and a positive learning environment.

A sustainable campus goes beyond cleanliness; it embraces environmentally responsible practices. Tree plantation drives, maintaining green belts, and protecting biodiversity within campus boundaries are essential steps toward ecological balance. Green spaces provide fresh air, reduce stress, and foster a deeper connection with nature among students. Initiatives like "Adopt a Plant" or "Green Clubs" can encourage active student participation and long-term commitment.

Waste management is another cornerstone of a green campus. Segregation of waste into biodegradable and non-biodegradable categories, composting organic waste, and recycling materials can significantly reduce environmental impact. Institutions can install clearly labelled bins, promote paperless communication, and encourage resource reuse. Even small actions like using reusable bottles and avoiding single-use plastics contribute to sustainability.

Energy conservation is equally important. Campuses can adopt energy-efficient practices such as using LED lighting, installing solar panels, and encouraging the habit of switching off electrical devices when not in use. Promoting cycling or walking within the campus instead of using vehicles can further reduce the carbon footprint. Sustainable transportation systems not only conserve energy but also promote a healthy lifestyle.

Water conservation is another critical aspect. Rainwater harvesting, fixing leaks, and mindful usage of water resources can make a substantial difference. Educational institutions can lead by example by implementing water-saving technologies and spreading awareness among students about the importance of this precious resource. Most importantly, a clean and green campus cultivates responsible citizens. When students actively participate in sustainability initiatives, they carry these values beyond the campus into society. It creates a ripple effect, influencing families, communities, and future workplaces.

In conclusion, building a clean and green campus is not a one-time activity but a continuous journey. It requires commitment, collaboration, and conscious effort from everyone. Let us take a pledge to make our campus a model of sustainability, where cleanliness meets greenery, and education meets responsibility. Together, we can create a healthier environment and a brighter, greener future for generations to come.

EDM Innovation: Accuracy, Automation, and Digital Transformation

Article by: Dr. Sachin Mohal

Associate Professor

Department of Mechanical Engineering

Electric Discharge Machining (EDM) has emerged as a vital non-traditional machining process, particularly for manufacturing complex and high-precision components using hard and difficult-to-machine materials. With rapid advancements in manufacturing technologies, EDM is evolving beyond its conventional boundaries, aligning itself with the modern demands of precision, automation, and sustainability.

One of the significant trends in EDM is the integration of smart technologies and Industry 4.0 concepts. The use of real-time monitoring systems, sensors and data analytics has enabled improved process control, enhanced accuracy, and reduced tool wear. Adaptive control systems are being developed to automatically adjust machining parameters, ensuring optimal performance and consistent quality. This transformation is paving the way for intelligent EDM systems capable of self-optimization and predictive maintenance.

Another important development is the advancement in micro-EDM and nano-EDM technologies. These processes are widely used in the fabrication of micro-components for industries such as biomedical, aerospace, and electronics. The ability to achieve extremely fine features with high precision has made EDM an indispensable tool in modern manufacturing. Additionally, hybrid EDM processes, such as ultrasonic-assisted EDM and powder-mixed EDM, are gaining attention for their improved material removal rates, better surface finish, and reduced machining time.

Sustainability has also become a key focus area in EDM research and applications. Efforts are being made to use eco-friendly dielectric fluids, reduce energy consumption, and minimize environmental impact. Dry EDM and near-dry EDM techniques are being explored as greener alternatives to traditional fluid-based systems. These innovations contribute to cleaner production practices while maintaining machining efficiency.

Furthermore, the application of advanced electrode materials and coatings has enhanced tool life and machining performance. Materials such as graphite, copper-tungsten, and coated electrodes are being widely used to achieve better dimensional accuracy and surface integrity.

In conclusion, Electric Discharge Machining is undergoing a transformative phase, driven by technological innovation and sustainability requirements. The integration of intelligent systems, micro-manufacturing capabilities, and eco-friendly practices is redefining EDM as a smart and future-ready machining process. As industries continue to demand higher precision and efficiency, EDM will remain a cornerstone of advanced manufacturing technologies.

The Quiet Power of Artificial Intelligence in Everyday IT

Article by: Ms. Harjinder Kaur

Assistant Professor

Department of Information Technology

In recent years, Artificial Intelligence (AI) has shifted from a futuristic concept to a practical tool deeply embedded in modern Information Technology (IT) systems. While headlines often focus on dramatic breakthroughs, the real transformation is happening quietly—inside the systems we use every day.

At its core, AI enhances how computers process data, recognize patterns, and make decisions. In IT infrastructure, this translates into smarter cybersecurity systems that detect threats before they cause damage. Traditional security relied on predefined rules, but AI-driven systems learn from behaviour, identifying unusual patterns and stopping attacks in real time.

Another major impact is in automation. IT operations teams now use AI to automate repetitive tasks such as system monitoring, software updates, and troubleshooting. This not only reduces human error but also allows professionals to focus on more strategic and creative work. For example, AI-powered chatbots can handle routine technical support queries, improving response time and user satisfaction.

Cloud computing has also been revolutionized by AI. Intelligent algorithms optimize resource allocation, ensuring that servers run efficiently without wasting energy or capacity. This results in cost savings and improved performance for businesses of all sizes.

However, the integration of AI in IT also raises important concerns. Data privacy and ethical use of information are critical challenges. Organizations must ensure transparency in how AI systems operate and make decisions, especially when handling sensitive user data.

In conclusion, the true power of Artificial Intelligence lies not in replacing humans, but in enhancing their capabilities. As IT continues to evolve, those who understand and adapt to AI-driven tools will be better prepared for the future of technology.

AI, Media, and the New Age of Storytelling

Article by: Ms. Nitika

Assistant Professor

Department of Information Technology

Storytelling has always evolved with technology. From oral traditions and print journalism to cinema, television, and social media, each era has transformed how stories are created and shared. In 2026, artificial intelligence is driving the next major shift, reshaping media and redefining the art of storytelling. AI is no longer just a support tool for automation; it has become an active creative partner, influencing how stories are written, produced, distributed, and experienced.

In today's media landscape, AI is everywhere. It recommends what we watch, curates what we read, and determines which stories trend online. Beyond content delivery, AI is now deeply involved in content creation itself. It can generate scripts, edit videos, create images, compose music, and even mimic human voices. For media professionals, this means faster production, smarter workflows, and greater creative flexibility. A journalist can analyse data and draft reports in minutes. A filmmaker can generate visual concepts instantly. A content creator can transform one idea into a blog, podcast, and video with remarkable ease.

This transformation is making storytelling more accessible. In the past, high-quality media production required expensive tools and large teams. Today, AI allows students, independent creators, and small media organizations to produce professional content with limited resources. It is democratizing storytelling by giving more people the power to create and share their voices.

At the same time, AI is changing how audiences experience stories. Media is becoming more personalized than ever before. News feeds, streaming platforms, and digital advertisements are tailored to individual interests and behaviour. This creates a more engaging experience, but it also raises concerns. When algorithms decide what stories people see, they shape public opinion and influence perception. AI does not simply distribute stories; it determines which narratives gain visibility and which are ignored.

This makes ethics central to the future of AI in media. While AI can generate content, it cannot replace human judgment, empathy, or lived experience. It can imitate creativity, but it cannot understand truth, culture, or emotional depth the way humans do. The role of the storyteller remains essential—not just to create content, but to preserve authenticity, context, and responsibility.

The greatest challenge in this new era is trust. AI has made it easier to create convincing fake images, videos, and voices, blurring the line between reality and fabrication. In an age of synthetic media, truth becomes more difficult to verify and more important to protect. This places greater responsibility on journalists, creators, and audiences alike to think critically and communicate responsibly. AI is not the end of human storytelling; it is the beginning of a new chapter. The future belongs not to machines alone, but to those who can combine technology with imagination, ethics, and human insight. In this new age of storytelling, AI may shape the medium, but humanity must still shape the message.

IoT in the 6G Era: A Deep Dive into Hyper-Connected, Intelligent Cyber-Physical Systems

Article by: Ms. Lakhwinder Kaur

Assistant Professor

Department of Information Technology

The evolution toward sixth-generation (6G) wireless systems represents more than just an incremental improvement over 5G, it marks a paradigm shift in how communication networks are architected, managed, and integrated with intelligent systems. When combined with the Internet of Things (IoT), 6G is poised to enable a fully autonomous, data-driven ecosystem of cyber-physical systems (CPS), where sensing, communication, computation, and control are tightly coupled.

At its core, IoT consists of heterogeneous devices embedded with sensors, actuators, and communication modules that generate massive volumes of data. However, current IoT deployments are constrained by limitations in spectral efficiency, network congestion, latency, and energy consumption. 6G addresses these bottlenecks through several advanced technological enablers, including THz communication, reconfigurable intelligent surfaces, integrated sensing and communication (ISAC), and native artificial intelligence (AI)-driven network orchestration. One of the defining features of 6G is the use of the terahertz frequency spectrum (0.1–10 THz), which provides ultra-wide bandwidths enabling data rates in the order of terabits per second. This is critical for supporting ultra-massive machine-type communications (umMTC), where billions of IoT devices require simultaneous connectivity. Additionally, ultra-reliable low-latency communication (URLLC) will evolve further in 6G, targeting latencies below 1 ms and reliability levels exceeding 99.99999%, which are essential for mission-critical IoT applications such as autonomous driving, tele-surgery, and industrial control systems. 6G networks will also leverage advanced multiple access techniques, such as non-orthogonal multiple access (NOMA), and massive multiple-input multiple-output (mMIMO) systems with cell-free architectures. These technologies will enhance spectral efficiency and ensure seamless connectivity in dense IoT environments. Furthermore, network slicing already introduced in 5G will become more granular and AI driven in 6G, allowing customized virtual network instances tailored to specific IoT use cases with distinct quality of service (QoS) requirements.

Energy efficiency and sustainability will also be central to 6G-enabled IoT. Techniques such as energy harvesting, backscatter communication, and ultra-low-power device design will allow IoT nodes to operate with minimal or no battery dependency. Green communication protocols and AI-optimized resource allocation will further reduce the carbon footprint of large-scale IoT deployments. Security in 6G IoT ecosystems will require a shift toward quantum-resistant cryptography, block chain-based decentralized trust management, and AI

driven anomaly detection systems. With the exponential increase in attack surfaces, zero-trust architectures and secure-by-design principles will become essential for safeguarding data integrity and privacy.

In conclusion, the convergence of IoT and 6G will create a ubiquitous intelligent fabric that seamlessly integrates the physical, digital, and biological worlds. Through innovations in spectrum utilization, AI-native networking, edge intelligence, and ultra-reliable communication, 6G will unlock the full potential of IoT, driving the next wave of digital transformation. This synergy will not only enhance operational efficiency across industries but also redefine the boundaries of what is technologically possible in a hyper-connected future.

Cloud Computing as a Service Paradigm for the Digital Era

Article by: Dr. Natasha Singh

Assistant Professor

Department of Computer Science & Engineering

Introduction

In the modern digital era, technology has become the backbone of businesses, education, health care, entertainment, and government services. Organizations continuously seek innovative ways to store data, run applications, and provide seamless digital services to users across the globe. One of the most transformative technologies enabling this shift is **Cloud Computing**. Cloud computing has emerged as a service paradigm that delivers computing resources such as servers, storage, databases, networking, software, and analytics over the internet. Instead of relying on traditional on-premise infrastructure, users can access services anytime and anywhere through the cloud. Cloud computing has revolutionized the way organizations operate by offering scalability, flexibility, cost efficiency, and reliability. It supports digital transformation and enables businesses to respond quickly to changing market demands. With the rapid growth of technologies like Artificial Intelligence (AI), Big Data, the Internet of Things (IoT), and mobile computing, cloud computing has become an essential component of the digital economy.

Meaning of Cloud Computing

Cloud computing refers to the delivery of computing services over the internet on a pay-as-you-use basis. Users do not need to own physical hardware or software infrastructure because cloud service providers manage the resources remotely. The cloud provides shared resources and services that can be accessed using web browsers or APIs.

According to the National Institute of Standards and Technology (NIST), cloud computing is a model that enables convenient, on-demand network access to a shared pool of configurable computing resources that can be rapidly provisioned and released with minimal management effort.

Characteristics of Cloud Computing

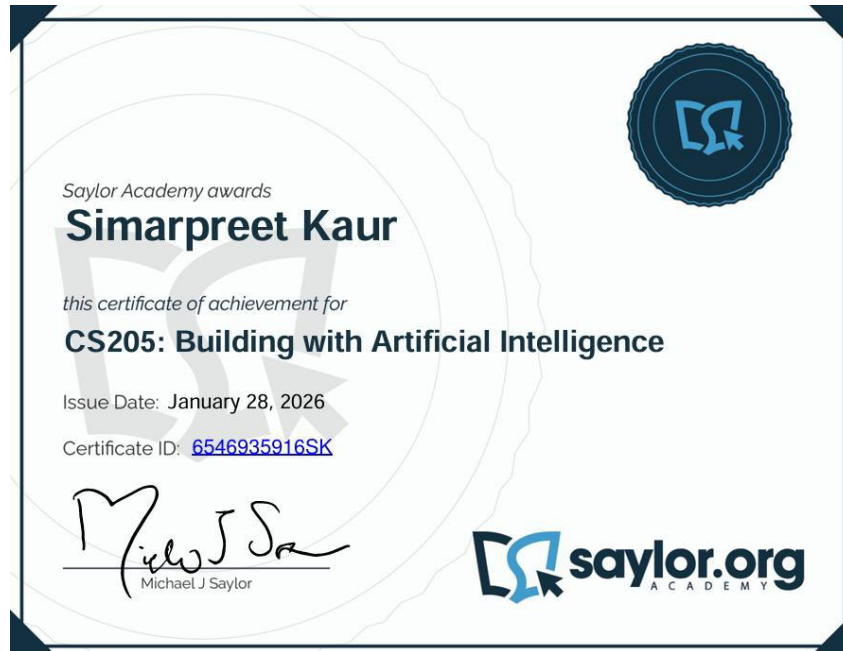
Cloud computing possesses several important characteristics that make it suitable for the digital era:

- 1. On-Demand Self-Service:** Users can access computing resources such as storage or processing power automatically without requiring human interaction with service providers.
- 2. Broad Network Access:** Cloud services are available over the internet and can be accessed using laptops, smartphones, tablets, and other devices.
- 3. Resource Pooling:** Cloud providers use shared resources to serve multiple customers through virtualization and multi-tenancy models.
- 4. Rapid Elasticity:** Resources can be scaled up or down quickly depending on user demand and workload requirements.
- 5. Measured Service:** Cloud systems automatically monitor and control resource usage, allowing customers to pay only for the services they use.

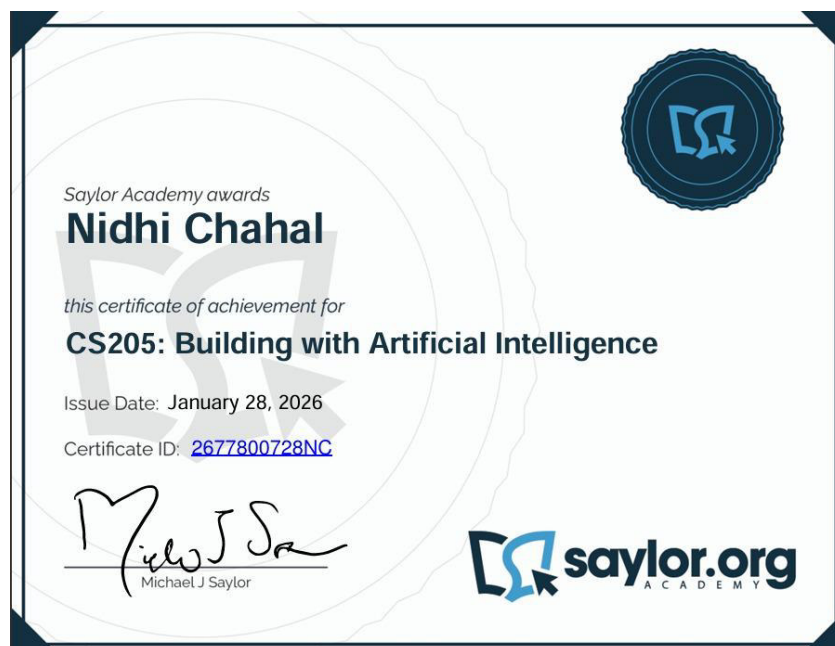


Faculty Achievements

- ❖ **Dr. Simarpreet Kaur of Department of Electronics and Communication Engineering** successfully completed the course “**CS205: Building with Artificial Intelligence**” offered by Saylor Academy. She was awarded a certificate of achievement on January 28, 2026.



- ❖ **Ms. Nidhi Chahal of Department of Electronics and Communication Engineering** successfully completed the course “**CS205: Building with Artificial Intelligence**” offered by Saylor Academy. She was awarded a certificate of achievement on January 28, 2026



Faculty Achievements

- ❖ On the occasion of National Startup Day, **Dr. Kapil Mehta, Head of Department, Emerging Technologies** – CEC CGC, Landran was invited as a panelist for a special discussion on “**Role of Startups in Viksit Bharat 2047**”. The insightful conversation was telecasted on **Aaj Di Gal** on **DD News Punjabi** on 16 January, 2026 where he shared valuable perspectives on how innovation, entrepreneurship, and emerging technologies can contribute to building a developed and self-reliant India by 2047. His participation reflects the institution’s strong commitment to fostering innovation, encouraging startup culture, and actively engaging in national conversations that drive progress and development.



Dr. Kapil Mehta on DD News Punjabi



Discussion on Role of Startups with Dr. Kapil Mehta

Faculty Achievements

- ❖ **Ms. Amanpreet Kaur**, Assistant Professor in the IT Department, successfully secured 82% in the **SWAYAM certification**, demonstrating a strong commitment to continuous learning and proficiency in computer systems fundamentals.





SWAYAM ONLINE COURSE CERTIFICATION

This Certificate is awarded to
AMANPREET KAUR
 for successfully completing the 4 credit course
CIT-001: Fundamentals of Computer Systems
 with a consolidated score of 82% marks
 in the proctored examination held on 12-12-2025
 offered by **Dr. Mangala Prasad Mishra** of
Indira Gandhi National Open University, New Delhi



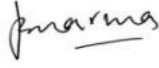
Roll No: CH01010313

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	54	100	82



Prof. Uma Kanjilal
National Coordinator
Indira Gandhi National Open University, New Delhi





Prof. Jaideep Sharma
Registrar, SED
Indira Gandhi National Open University,
New Delhi

Issued On: 04/02/2026

- ❖ **Ms. Megha Sharma**, Assistant Professor in the IT Department, achieved 82% in the **SWAYAM certification**, reflecting her dedication to continuous learning and strong understanding of computer systems fundamentals.





SWAYAM ONLINE COURSE CERTIFICATION

This Certificate is awarded to
MEGHA SHARMA
 for successfully completing the 4 credit course
CIT-001: Fundamentals of Computer Systems
 with a consolidated score of 82% marks
 in the proctored examination held on 12-12-2025
 offered by **Dr. Mangala Prasad Mishra** of
Indira Gandhi National Open University, New Delhi



Roll No: CH01010412

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	54	100	82



Prof. Uma Kanjilal
National Coordinator
Indira Gandhi National Open University, New Delhi





Prof. Jaideep Sharma
Registrar, SED
Indira Gandhi National Open University,
New Delhi

Issued On: 04/02/2026

Faculty Achievements

- ❖ **Dr. Rama Sharma**, Associate Professor & Head of the Department, MBA- CEC successfully completed **NPTEL Course** on Training & Development.



Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR RAMA SHARMA
for successfully completing the course
Training and Development
with a consolidated score of **88** %

Online Assignments	25/25	Proctored Exam	63/75
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Total number of candidates certified in this course: **1418**

Jan-Apr 2026
(12 week course)



Skill India
कौशल भारत - कुशल भारत





Indian Institute of Technology Kharagpur



Roll No: NPTEL26HS65S1052800959 To verify the certificate  No. of credits recommended: 4



Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



NPTEL-AICTE
Faculty Development Programme
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR RAMA SHARMA
for successfully completing the course
Training and Development
with a consolidated score of **88** %





Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Apr 2026)

Roll No: NPTEL26HS65S1052800959 Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023

Faculty Achievements

- ❖ **Dr. Ekta Rastogi**, Assistant Professor, MBA Department, qualified **NPTEL exam** and scored 68% in the course Fundamentals of Digital Marketing.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)


Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to
DR EKTA RASTOGI SINGH
for successfully completing the course

Fundamentals of Digital Marketing

with a consolidated score of **68** %

Online Assignments	16.46/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: **5175**

Feb-Apr 2026
(8 week course)


Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur


Indian Institute of Technology Kharagpur


FREE ONLINE EDUCATION
swayam
विद्यया ऽमृतं, ज्ञानं मृतम्

Roll No: NPTEL26MG06S852800615

To verify the certificate



No. of credits recommended: 3

- ❖ **Dr. Pooja Mahajan**, Assistant Professor, MBA Department, qualified **NPTEL exam** for the course Strategic Human Resource Management.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)


Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to
DR POOJA MAHAJAN
for successfully completing the course

Advances in Strategic Human Resource Management (HRM)

with a consolidated score of **63** %

Online Assignments	22.75/25	Proctored Exam	40.55/75
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Total number of candidates certified in this course: **1302**

Jan-Feb 2026
(4 week course)


Prof. Sridhar Iyer
Head CDEEP & NPTEL Coordinator
IIT Bombay


Indian Institute of Technology Bombay


FREE ONLINE EDUCATION
swayam
विद्यया ऽमृतं, ज्ञानं मृतम्

Faculty Achievements

- ❖ **Dr. Mamta Sharma**, Assistant Professor, MBA Department, qualified **NPTEL exam** for the course **Financial Management for Managers**.



NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR MAMTA SHARMA
for successfully completing the course
Financial Management for Managers

with a consolidated score of **51** %

Online Assignments	21.38/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **613**

Prof. Kaushik Ghosh
Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2026
(12 week course)

Prof. Ranjana Pathania
Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

Roll No: NPTEL26MG62S452800280 To verify the certificate No. of credits recommended: 4

- ❖ **Dr. Reetu Sharma**, Assistant Professor, MBA Department, qualified **NPTEL exam** for the course **Strategic Marketing Management-II**.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR REETU SHARMA
for successfully completing the course
Marketing Management - II

with a consolidated score of **81** %

Online Assignments	23.75/25	Proctored Exam	57/75
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Total number of candidates certified in this course: **2134**

Prof. B. V. Ratish Kumar
Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2026
(8 week course)

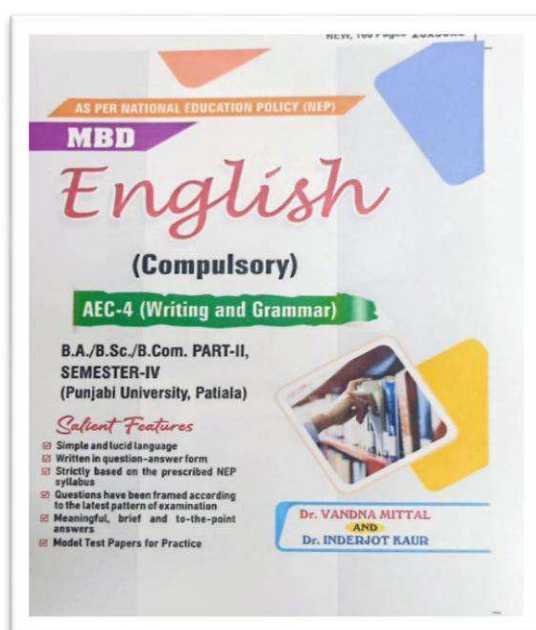
Prof. Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

Roll No: NPTEL26MG25S652800255 To verify the certificate No. of credits recommended: 3

Faculty Achievements (Book Publications)

- ❖ **Dr. Inderjot Kaur, Associate Professor of English in the Department of Applied Sciences**, authored *MBD English (AEC-4 Writing & Grammar)*, a comprehensive book aligned with the Punjabi University, Patiala, Bachelor of Arts syllabus, published in February 2026. The work reflects her deep expertise in language pedagogy, offering students a structured and accessible approach to Writing & Grammar. Since its release, the book has gained remarkable traction in academic circles, surpassing 2000 copies in sales — a testament to its relevance, clarity, and value as both a classroom resource and a self-study guide for students and aspiring professionals alike.



- ❖ **Dr. Rama Sharma. Prof. & Head, MBA Department** published a book on **Research Methodology Theory, Practices and Applications** by AG Publishing House with ISBN No-978-93-7640-893-1.
- ❖ **Dr. Pooja Mahajan, Dr. Ekta Rastogi Ekta, Dr. Mamta Sharma, Ms. Suruchi** published a book titled: *International Business: The Challenges of Globalisation* by PARADOX International Publisher with ISBN- 978-93-7183-688-3 in March 2026.
- ❖ **Abhinav Chaudhary, Vikram Aditya & Dr. Ekta Rastogi** published a book titled: *Marketing 5.0: AI, Automation, and Human- Centric Strategies* by PARADOX International Publisher with ISBN- 978-93-7183-461-2 in March 2026.
- ❖ **Dr. Pooja Mahajan & Dr. Mamta Sharma** of MBA- CEC published a book titled: *International Business: The Challenges of Globalization* in March 2026 (first Edition) with ISBN 978-93-7183-688-3, DOI: 10.59646/627, Publisher: Paradox International Publications.

Faculty Achievements (Research Publications)

- ❖ **Dr. Rama Sharma** published a research paper titled: The Role of AI in Shaping Contemporary Marketing Strategies. Change Management in an International Journal. **Scopus Indexed.**
- ❖ **Dr. Maninder Singh** published a research paper titled: The Role of AI in Shaping Contemporary Marketing Strategies. Change Management in an International Journal. **Scopus Indexed.**
- ❖ **Abhinav Chaudhary, Vikram Aditya & Dr. Ekta Rastogi** published a research paper titled: Integrated Marketing and Financial Planning for Sustainable Business Growth. MSW Management Journal. 36 (1s). 1796-1799.
- ❖ **Mir Rameez Ahmad & Dr. Ekta Rastogi** published a research paper titled: A Socio-professional identity framework of work-life balance and job satisfaction among hotel food and beverage employees using SEM. Geojournal of Tourism and Geosites. (Indexed)

Faculty Achievements (Patents Granted)

Application Number- 201911047899

Patent Number- 584540

Date of Patent Granted: 24/03/2026

Title- METHOD FOR PROVIDING SECURITY IN LOCKING UNITS

Inventors: Manmeet Singh, Zeba Afroz, Surinder Singh, Gaurav Kumar, Gurleen Kaur, Dr. Vinay Bhatia, Arshpreet, Aruinma

INTELLECTUAL PROPERTY INDIA

पेटेंट कार्यालय भारत सरकार | The Patent Office, Government Of India

पेटेंट प्रमाण पत्र | Patent Certificate

(पेटेंट विधायन की नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 584540

अवेदन सं. / Application No. : 201911047899

फाइल करने की तारीख / Date of Filing : 22/11/2019

पेटेंटी / Patentee : Chandigarh Group of Colleges

अविष्कारकों का नाम / Name of Inventor(s) : 1.Manmeet Singh 2.Zeba Afroz 3.Surinder Singh 4.Gaurav Kumar 5.Gurleen Kaur 6.Dr. Vinay Bhatia 7.Arshpreet 8.Aruinma

प्रमाणित किया जाता है कि पेटेंटी को उल्लेखित आवेदन में वर्णित METHOD FOR PROVIDING SECURITY IN LOCKING UNITS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख नम्बर 2019 के बाईसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदान दिया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled METHOD FOR PROVIDING SECURITY IN LOCKING UNITS as disclosed in the above mentioned application for the term of 20 years from the 22nd day of November 2019 in accordance with the provisions of the Patents Act, 1970.

अनुदान की तारीख / Date of Grant : 24/03/2026

नियम - इस पेटेंट के नवीकरण के लिए फीस, जोर इसे बहाल रखा गया है, नवंबर 2021 के बाईसवें दिन को और उसी तिथि तक हर 5 से 15 नवंबर तक।

Notes - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 22nd day of November 2021 and on the same day in every year thereafter.

Faculty Achievements (Patents Granted)

Application Number- 201811022021

Patent Number- 585986

Date of Patent Grant- 24/03/2026

Title- DEVICE FOR THREE-DIMENSIONAL IMAGE/VIDEO DISPLAY

Inventors: Surinder Singh, Gaurav Garg, Dr. Dinesh Arora, Inderpreet Singh, Piyush Garg

पेटेंट कार्यालय भारत सरकार | The Patent Office, Government Of India
पेटेंट प्रमाण पत्र | Patent Certificate
(पेटेंट नियमों की नियम 74) (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 585986
अवेदन सं. / Application No. : 201811022021
फाइल करने की तारीख / Date of Filing : 12/06/2018
पेटेन्टी / Patentee : Chandigarh Group of Colleges
अविष्कारकों का नाम / Name of Inventor(s) : 1.Surinder Singh 2.Gaurav Garg 3.Dr. Dinesh Arora 4.Inderpreet Singh 5.Piyush Garg

प्रमाणित किया जाता है कि पेटेन्टी को, उपरोक्त आवेदन में वर्णित *DEVICE FOR THREE DIMENSIONAL IMAGE/VIDEO DISPLAY* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 2018 के बारहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *DEVICE FOR THREE DIMENSIONAL IMAGE/VIDEO DISPLAY* as disclosed in the above mentioned application for the term of 20 years from the 12th day of June 2018 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख / Date of Grant : 30/03/2026


Controller of Patents

नोट - इस पेटेंट के नवीकरण के लिए फीस, जो इसे बनाए रखा गया है, 2020 के बारहवें दिन की ओर 20वें तक बढ़ा दी गई है और फिर दो गुना।
Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 12th day of June 2020 and on the same day in every year thereafter.

Faculty Achievements (Patents Filed)

- ❖ **Priyanka Sood, Yashita, Sakshi Uttam,**
“AN IMPROVED OPTICAL COMMUNICATION SYSTEM FOR HIGH-SPEED UNDERWATER CONNECTIVITY”, Filed, **06.01.2026**
- ❖ **Dr. Simarpreet Kaur, Ms. Nidhi Chahal, Ms. Preeti Bansal, Rajnish, Tinu Anand Kumar, Sachin Yadav, Reshika,**
“A HEAT REFLECTIVE PHOTOVOLTAIC PANEL FOR BUILDING INTEGRATION”, Filed, **07.01.2026**
- ❖ **Dr. Pooja Sahni, Ekta Sandhu, Rachna Manchanda, Dr. Sukhdeep Kaur,**
“SUSTAINABLE COLD MIXTURE FOR WET-CONDITION ROAD SURFACE REPAIR”, Filed, **07.01.2026**
- ❖ **Mayank, Khushi, Vaibhav Gupta, Dr. Ashima Kalra,**
“AN ADVANCED ENERGY HARVESTING SYSTEM”, Filed, **09.01.2026**
- ❖ **Dr. Ashima Kalra, Arun Kumar Yadav,**
“AN ADVANCED FULL-BODY ASSISTIVE EXOSKELETON SYSTEM”, Filed, **09.01.2026**
- ❖ **Dr. Pradeep Gaur, Kunal Dhar, Ekta Sandhu,**
“A NAVIGATION ASSISTIVE SYSTEM FOR VISUALLY IMPAIRED INDIVIDUALS”, Filed, **13.01.2026**
- ❖ **Dr. Tarun Singhal, Sonam, Ritik Sagar, Dr. Vinay Bhatia, Dr. Ankur Singhal, Ishta Rani,**
“AUTOMATED PNEUMATIC FRUIT PRESSING APPARATUS”, Filed, **13.01.2026**
- ❖ **Dr. Ashima Kalra, Vikash Prasad,**
“AN AI-INTEGRATED SMART HOME SAFETY AND SECURITY SYSTEM”, Filed, **13.01.2026**
- ❖ **Dr. Pooja Sahni, Jatin Kumar, Ishita Sharma, Daman Garg, Dr. Sukhdeep Kaur, Rachna Manchanda,**
“AUTOMATED GREYWATER TREATMENT AND REUSE SYSTEM WITH IOT-BASED MONITORING AND CONTROL”, Filed, **28.01.2026**
- ❖ **Dr. Simarpreet Kaur, Aniket Koundal, Bhupinder Singh, Anamika Saha, Aishwarya Sanjay, Akash Kumar,** “AN AUTOMATED IRRIGATION MONITORING AND CONTROL SYSTEM”, Filed, **28.01.2026**

Faculty Achievements (Patents Filed)

- ❖ **Dr. Simarpreet Kaur, Ms. Preeti Bansal, Ms. Nidhi Chahal, Dr. Shalley Bakshi, Devyansh Kumar Shah, Devyansh Gakhar,**
“AN ADVANCED MULTI-BAND WIRELESS COMMUNICATION SYSTEM FOR ENABLING SEAMLESS AND ENERGY-EFFICIENT SPECTRUM SWITCHING WITHOUT COMMUNICATION INTERRUPTION”, Filed, **30.01.2026**
- ❖ **Vikash Prasad, Dr. Ashima Kalra,**
“AN IMPROVED ELECTRIC SHOCK DETECTION AND PROTECTION SYSTEM”, Filed, **11.02.2026**
- ❖ **Dr. Simarpreet Kaur, Preeti Bansal, Nidhi Chahal, Tanish Bhangu,**
“AN IMPROVED AGRICULTURAL MONITORING AND PREDICTIVE ANALYSIS SYSTEM”, Filed, **11.02.2026**
- ❖ **Priyanka Sood, Vikash Prasad, Shivam Kumar, Simran Choudhary, Simran Jeet,**
“AN IMPROVED AI-BASED PASSENGER SAFETY AND SURVEILLANCE SYSTEM FOR PUBLIC TRANSPORTATION VEHICLES”, Filed, **12.02.2026**
- ❖ **Rachna Manchanda, Aditya Raj, Aditi, Boomi, Aditangshu Das, Archana Chahar, Anjali Kumari,**
“AN IMPROVED ELECTRIC FENCE MONITORING SYSTEM FOR DETECTING UNAUTHORIZED ELECTRICAL USAGE”, Filed, **12.02.2026**
- ❖ **Preeti Bansal, Dr. Simarpreet Kaur, Nidhi Chahal, Dr. Shalley Bakshi, Dr. Ramanpreet Kaur, Reshika, Rajnish Kumar, Tinu Anand Kumar, Sachin Yadav,**
“AN AUTOMATED DISTRESS DETECTION PENDANT”, Filed, **12.02.2026**
- ❖ **Devyansh Kumar Shah, Dr. Tarun Singhal, Dr. Vinay Bhatia, Dr. Ankur Singhal,**
“A SYSTEM FOR DYNAMIC POWER CONCENTRATION AND REAL-TIME PACKET TRIAGE”, Filed, **12.02.2026**
- ❖ **Rachna Manchanda, Dr. Pooja Sahni, Sanket Priyadarshi, Khushi Prajapat, Vishal Tiwari, Ritu Raj,**
“AUTONOMOUS MULTI-PARAMETER WASTE SEGREGATION AND PREDICTIVE LOGISTICS SYSTEM”, Filed, **13.02.2026**
- ❖ **Dr. Simarpreet Kaur, Preeti Bansal, Nidhi Chahal, Anshika Bakshi,**
“AN ADVANCED MULTI-STAGE AIR FILTRATION ASSEMBLY”, Filed, **13.02.2026**
- ❖ **Nidhi Chahal, Dr. Simarpreet Kaur, Preeti Bansal, Dr. Varsha Sood, Reshika, Tinu Anand Kumar, Rajnish Kumar, Sachin Yadav,**
“AN IMPROVED MICROWAVE LABORATORY SYSTEM”, Filed, **16.02.2026**
- ❖ **Rachna Manchanda, Dr. Pooja Sahni, Siddharth Karn, Shyna Garg, Divyanshu Barnwal,**
“CROSSGUARD: CONVEYOR-BASED ADAPTIVE CROSSWALK WITH PER-BELT OCCUPANCY CONTROL AND LANE-SELECTIVE REOPENING”, Filed, **16.02.2026**

Faculty Achievements (Patents Filed)

- ❖ **Dr. Varsha Sood, Dr. Ramanpreet Kaur, Nidhi Chahal, Dr. Shalley Bakshi, Dr. Simarpreet Kaur, Preeti Bansal, Devanshu, Divyanshu Kushwaha,**
“AN ADVANCED SYSTEM FOR AUTOMATED ROOM TILING AND AREA MEASUREMENT”, Filed, **16.02.2026**
- ❖ **Chaudhary Abhinav, Vikram Aditya, Singh Rastogi Ekta**
Artificial intelligence-based device for sentiment analysis in online shopping. Indian Design Patent. Application number- 498015-001 (**April, 2026**).
- ❖ **Preeti Bansal, Dr. Simarpreet Kaur, Nidhi Chahal, Dr. Ramanpreet Kaur, Dr. Shalley Bakshi, Dr. Varsha Sood, Reshika, Rajnish Kumar, Sachin Yadav,**
“A SMART HAND BAND FOR STRESS MONITORING AND ABUSE DETECTION”,
Filed, **17.02.2026**
- ❖ **Dr. Pradeep K Gaur, Karan Kumar, Manash Kumar, Khwahish, Harsh Nivyaam, Kabir Kumar, Preneet Kaur,**
“AN ADVANCED FIELD ROVER FOR REAL-TIME CROP HEALTH MONITORING”,
Filed, **17.02.2026**
- ❖ **Dr. Simarpreet Kaur, Nidhi Chahal, Preeti Bansal, Dr. Varsha Sood, Adarsh Singh Bhadouriya, Abhishek Verma, Aditya Sharma, Amaan,**
“IMPROVED SIGN LANGUAGE TRANSLATION SYSTEM FOR TRANSLATING SIGN LANGUAGE GESTURES”, Filed, **17.02.2026**
- ❖ **Dr. Simarpreet Kaur, Nidhi Chahal, Preeti Bansal, Dr. Shalley Bakshi, Dr. Varsha Sood, Deep Rathore, Danish Khan,**
“AN ANALOG HARMONIC DISTORTION MEASUREMENT AND REGULATORY ASSESSMENT SYSTEM”, Filed, **10.03.2026**
- ❖ **Priyanka Sood, Reshika, Rajnish Kumar, Tinu Anand Kumar, Sachin Yadav,**
“AN ADAPTIVE UNDERWATER OPTICAL COMMUNICATION SYSTEM FOR INTELLIGENT AND ENERGY-EFFICIENT DATA TRANSMISSION”, Filed, **10.03.2026**
- ❖ **Nidhi Chahal, Dr. Simarpreet Kaur, Preeti Bansal, Reshika, Tinu Anand Kumar, Rajnish Kumar, Sachin Yadav,**
“AN IMPROVED MICROWAVE LABORATORY AND DIAGNOSTIC SYSTEM”, Filed, **11.03.2026**
- ❖ **Preeti Bansal, Dr. Simarpreet Kaur, Nidhi Chahal, Dr. Ramanpreet Kaur, Dr. Varsha Sood, Reshika, Tinu Anand Kumar, Rajnish Kumar, Sachin Yadav,**
“AN AUTOMATED AIR-QUALITY-INDEX (AQI) SYSTEM FOR EARLY DETECTION AND MITIGATION OF AIR-QUALITY DETERIORATION”, Filed, **11.03.2026**
- ❖ **Dr. Ashima Kalra, Vikash Prasad, Vanmala,**
“AN AUTONOMOUS UAV-BASED SURVEILLANCE SYSTEM FOR REMOTE AND HIGH-RISK TERRAIN MONITORING”, Filed, **11.03.2026**

Faculty Achievements (Patents Filed)

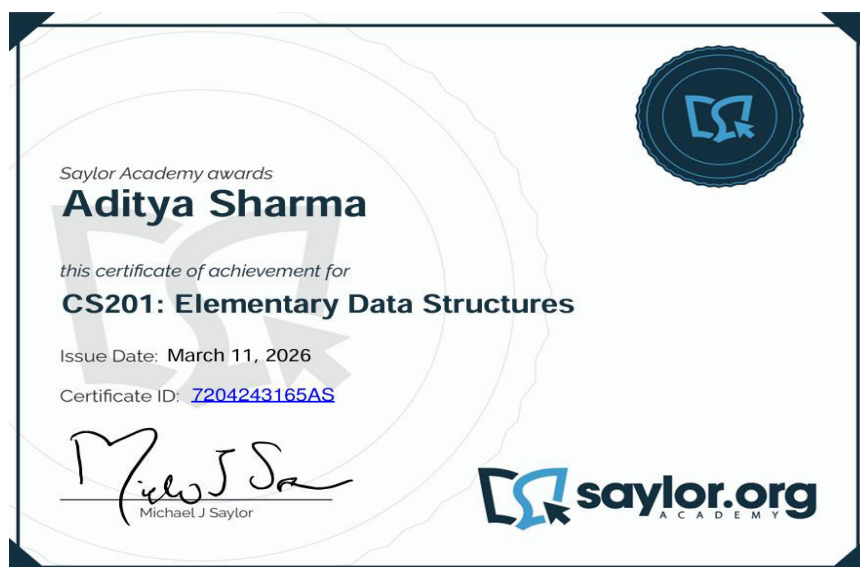
- ❖ **Dr. Bhawna, Vikash Prasad, Dr. Ashima Kalra,**
“AN IMPROVED DISASTER AND HAZARD DETECTION SYSTEM FOR
MONITORING ENVIRONMENTAL AND VEHICULAR SAFETY CONDITIONS IN
REAL-TIME”, Filed, **11.03.2026**

- ❖ **Dr. Ankur Singhal, Vikash Prasad, Dr. Vinay Bhatia, Dr. Tarun Singhal, Dr. Rinkesh Mittal,**
“A SMART IoT-BASED VEHICLE FIRE DETECTION AND AUTOMATIC FIRE
EXTINGUISHING SYSTEM”,
Filed, **12.03.2026**



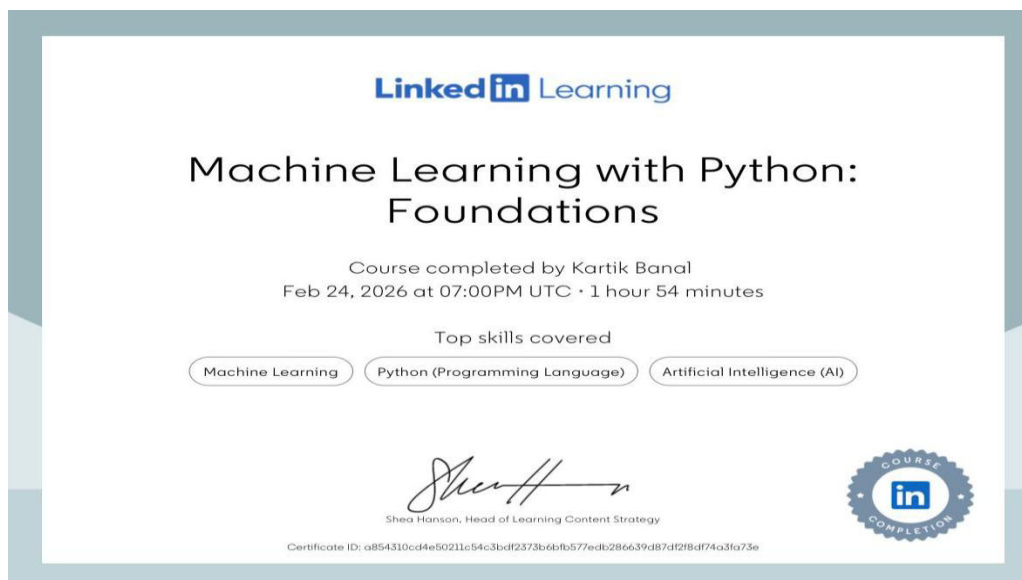
Students Achievements

- ❖ Students of the **ECE Department** have proudly earned **130 LinkedIn Certifications**, reflecting their strong commitment to **career readiness, professional development, and industry-relevant skills**. This achievement highlights their proactive approach to building competencies that strengthen their employability and prepare them for the evolving demands of the industry.
- ❖ Students of the **ECE Department** have also achieved **100+ MOOCs Certifications**, reflecting their relentless dedication to advanced learning, global upskilling, and going beyond standard academics to lead the future of the industry.
- ❖ **Aniket Koundal & Aditya Sharma** of ECE department received certifications in "CS205: Building with Artificial Intelligence" from Saylor Academy



Students Achievements

- ❖ **Kartik** from ECE department earns the "Machine Learning with Python: Foundations" certification from LinkedIn Learning.



- ❖ **Aishwarya Sanjay** (ID: 2337149, 6th Semester, ECE) was honored with the Schneider Scholar Program Scholarship by **Schneider Electric** on 24th March 2026, receiving an award of **₹50,000**. Winning this award for the second time is a clear reflection of her unwavering dedication and academic brilliance. Aishwarya's success highlights the spirit of excellence within the ECE department and stands as a shining example for all students.



Students Achievements

- ❖ The Department of Emerging Technologies takes immense pride in the remarkable achievement of its students at **ARISE Punjab – AI Led Research & Innovation for Social Entrepreneurship** on 15-16 January, 2026. Demonstrating creativity, technical knowledge, and problem-solving skills, **Aanchal Malhotra** and **Saloni Tomar**, students of B.Tech AIDS, secured **First Position** for their innovative idea presented during the pitching round. Their outstanding performance earned them **First Prize along with a cash reward of ₹20,000**, marking a proud milestone for the department.



- ❖ The Department of Emerging Technologies at **Chandigarh Engineering College, CGC Landran** celebrated a proud achievement as **Team Sinchit** secured **First Position** during **National Science Day 2026**, held at CGC Landran on 26-27 February, 2026. The competition was organized around the theme “**Clean & Green Energy**”, encouraging innovative solutions aimed at promoting sustainable development. The team’s project stood out for its originality, practical relevance, and innovative thinking, earning them the **First Prize along with a cash award of ₹15,000**.



- ❖ **ECE department's Innovating for Safety: Interdisciplinary Team Secures 1st Place in Disaster Management.** The team of our brilliant students, Tinu Anand Kumar (ID: 2337318), Rajnish Kumar (ID: 2337276), Reshika (ID: 2337281), and Sachin Yadav (ID: 2337291) of 6th Sem, Btech ECE secured the **1st position** in the Disaster Management category during the National Science Day events on 27th February, 2026. The team won top honors for their invention, **SmartSense: A Gas and Flame Safety System with Real-Time Monitoring and Auto Control.**



- ❖ **Rohit Raj of ECE department clinches Gold at the North India Powerlifting Championship.** He delivered an exemplary performance at the **North India Powerlifting Competition** held in Jammu on 24th March 2026. Demonstrating remarkable physical strength and a strong commitment to athletic excellence, he secured the **Gold medal** with a **1st-place** finish, reflecting great credit upon himself and the institution.



Students Achievements

- ❖ **Deepanshu Thakur of ECE department excels at IKGPTU Intercollege Handball Tournament.** On 10th April 2026, **Deepanshu Thakur**, (ID: 2337201, 6th Semester, ECE) showcased exceptional athletic talent by winning **Silver medal**, bringing pride to the college through teamwork, discipline, dedication, and competitive spirit.

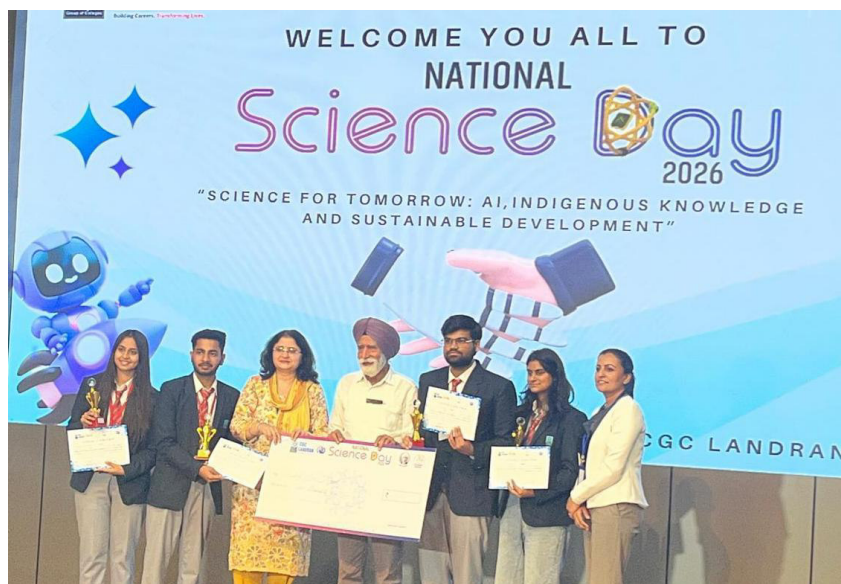


- ❖ **Kartik of ECE department**, delivered an outstanding performance at the Alumni Powerlifting Competition held at CGC Landran on 21st January, 2026. Demonstrating remarkable physical endurance and a strong commitment to athletic excellence, he secured the **Bronze medal** with a **3rd-place** finish, reflecting great credit upon himself and the institution.



Students Achievements

- ❖ Team **Agri Vision** of ECE department achieved **2nd position** in the Science Day Competition conducted on 26th–27th February, 2026. **Nishtha** (ID: 2421574) and **Mannat Anand** (ID: 2421559) from 4th Semester ECE, demonstrated remarkable skills and were awarded **₹10,000** as prize money.



- ❖ The Mechanical Engineering students of Chandigarh Engineering College – CGC, Landran, Mohali secured the **First Prize in the Automobile Category** at **INNO-TECH 2026**, held at Pushpa Gujral Science City from 18th -19th March 2026.



Students Achievements

- ❖ The Mechanical Engineering students of Chandigarh Engineering College – CGC, Landran, Mohali secured the **2nd position** at *Amiphoria 2026*, held on 26–27 March 2026 at Amity University.



- ❖ Mechanical Engineering students of Chandigarh Engineering College – CGC, Landran, Mohali secured **2nd position** in the project presentation on “Research for Pioneers (Clean & Green Energy)” during *National Science Day 2026*, held on 26–27 February 2026 at Chandigarh Engineering College – CGC, Landran, Mohali.



Students Achievements

- ❖ **Lakshay Pratap Singh from MBA** has achieved outstanding success at the Merchant Navy Competition by securing the title of Best Lifter in the Junior Division. His remarkable achievements include: Gold Medal in Bench Press, Gold Medal in Deadlift, and Silver Medal in Squats.



Students Achievements

MBA department NPTEL Qualified Students

MBA 2nd Semester NPTEL Certification List			
S.No.	Roll No.	Name of the student	Name of the MOOCS course
1	2555388	Shweta	AI in HRM
2	2555383	Shehnazpreet	AI in HRM
3	2555386	Shruti	AI in HRM
4	2555369	Palak	Training and Development
5	2555334	Astha Kumari	Training and Development
6	2555358	Lakshay	Training and Development
7	2555357	Kriti	Training and Development
8	2555322	Aditi Pandey	AI in HRM
9	2555324	Anchal Kumari	AI in HRM
10	2555328	Apanshul	AI in HRM
11	2555345	Eknor Singh	Data Analysis and Decision making - I
12	2555361	Muskan	AI in HRM
13	2555321	Aditi Kumari	AI in HRM
14	2555342	Diksha	AI in HRM
15	2555346	Gopi Nath	Training and Development
16	2555318	Abhinandan	Advertising and Promotion Management
17	2555356	Krishna Panda	Training and Development
18	2555397	Taranveer	AI in HRM
19	2555323	Akriti Thakur	Data Analysis and Decision making - I

MBA 4th Sem NPTEL CERTIFICATION LIST			
S. No.	Roll No	Name of the Student	Name of the MOOCs Courses
1	2421826	Aamir Khan	Strategic HRM
2	2421830	Aditi	Strategic HRM
3	2421838	Ankit Verma	Strategic HRM
4	2421844	Astuti Kumari	Strategic HRM
5	2421860	Harleen Kour	Strategic HRM
6	2421865	Jasika Bhatt	Strategic HRM
7	2421866	Jasmeet Kaur	Strategic HRM
8	2421869	Jyoti Rawat	Strategic HRM
9	2421876	Khushi	Strategic HRM
10	2421882	Manvi	Strategic HRM
11	2421894	Prateek Yadav	Strategic HRM
12	2421913	Saurabh Kumar	Strategic HRM
13	2421921	Shristy	Strategic HRM
14	2421924	Simran Preet Kaur	Strategic HRM
15	2421886	Nikunj	Strategic HRM

Students Achievements (Placements)

The students of the ECE Department achieved remarkable placements and internships with reputed organizations such as A.O. Smith India , Additive Learning, Vivo Mobile, Vayavya. Lab, TCS, eClerx Service Limited securing impressive package up to 7.8 LPA

S No	U.ID.	Name	Company Name	Job Role	Package (LPA)	Remarks
1	2237244	Pratham Sharma	A. O. Smith India	GET	5.2	Internship & Placement
2	2237260	Sagar Nayak	A. O. Smith India	GET	5.2	Internship & Placement
3	2237262	Sahil Rohella	A. O. Smith India	GET	5.2	Internship & Placement
4	2237178	Hardik	Addictive Learning	Counseling Trainee	7.8	Internship & Placement
5	2237262	Sahil Rohella	Vivo Mobile	Repair Team	4.2	Placement
6	2237216	Kundan Kumar Sin	Vayavya Lab	Engineer	6	Internship & Placement
7	2237197	Jalaj Gupta	TCS	Ninza	4	Placement
8	2237278	Siddhant Kumar Kashyap	TCS	Ninza	4	Placement
9	2237303	Vishal Rathore	TCS	Ninza	4	Placement
10	2237136	Ansh Thakral	eClerx Services Limited	Customer Operations – Voice Process	3.6	Placement

Students Achievements (Placements)

List of Top Recruiters MBA

Top Recruiters	Top Packages
Federal Bank	13-18 LPA
Jaro Education	13.36 LPA
Berger Paints Pvt Ltd	8.30 LPA
Credgenics	7.76 LPA
Hexaview Technologies	9 LPA
Pin Click Property Pvt Ltd.	7.8 LPA

MBA Placed Student's Details (Batch 2024-2026)

Sr. No.	Roll No	Name of the Student	Name of the Company	Profile	Package
1	2421894	Prateek	Federal Bank	Sales and Client Acquisition	13-17 LPA
2	2421858	Falguni Bhatia	Federal Bank	Sales and Client Acquisition	13-17 LPA
3	2421944	Vivek Banerjee	Jaro Education	Career Development executive	14.36 LPA
4	2421877	Komal Thakur	Berger Paints Pvt Ltd	Territory Sales Manager	8.50 LPA
5	2421837	Himanshu Gupta	Credgenics	Associate Customer Success	6.11 LPA
6	2459851	Rohit Bamotra	Hexaview Technologies	Sales Development Representative	9 LPA
7	2421837	Anish	Pin Click Property Pvt Ltd.	Property Advisor	7.8 LPA

STUDENTS SECTION

STUDENT EDITORS



Arpan Sood



Darshpreet Kaur



Mohammad Sahil



Kartik Narang



Charu



Yogansh Rathi



PEN & PERSPECTIVES

(ARTICLES BY STUDENTS)



Blockchain Technology: Revolutionizing the Digital World

Introduction

In the modern digital age, the need for secure, transparent, and efficient systems for storing and sharing information has increased significantly. Traditional centralized systems often face challenges such as data tampering, cyberattacks, fraud, and lack of transparency. To overcome these limitations, Blockchain Technology has emerged as one of the most innovative and transformative technologies of the 21st century.

Blockchain is a decentralized digital ledger technology that records transactions securely across multiple computers. It ensures transparency, immutability, and trust without requiring a central authority. Initially developed as the underlying technology for cryptocurrencies like Bitcoin, blockchain has now expanded into various industries including healthcare, finance, supply chain management, education, and government services. Blockchain technology is considered a revolutionary innovation because it enables secure peer-to-peer transactions, reduces operational costs, and improves efficiency in digital systems.

Meaning of Blockchain

A blockchain is a distributed database or ledger that stores data in the form of blocks connected in a chronological chain. Each block contains transaction data, a timestamp, and a cryptographic hash of the previous block. Once information is added to the blockchain, it becomes extremely difficult to alter or delete.

The term “blockchain” comes from the combination of two words:

- Block: A unit that stores transaction data.
- Chain: A sequence of connected blocks.

Blockchain operates on decentralized networks where all participants maintain a copy of the ledger, ensuring transparency and security.

Features of Blockchain Technology

Blockchain technology possesses several unique features that make it reliable and efficient.

1. Decentralization: Unlike traditional systems controlled by a central authority, blockchain distributes data across multiple nodes in a network.
2. Transparency: All participants in the network can view and verify transactions, promoting trust and accountability.
3. Immutability: Once data is recorded on the blockchain, it cannot be modified or deleted easily.
4. Security: Blockchain uses cryptographic algorithms and consensus mechanisms to secure data from unauthorized access.

Noor Bano
B.Tech CSE
Sem 6th

Beyond the CGPA: Why Your Marksheet is Just the Entry Pass

Your CGPA is the key that unlocks the door, but your skills keep you in the room. In the fast-paced academic ecosystem of CGC Landran, there is a number that often defines our stress levels, our weekends, and sometimes, our self-worth: the CGPA. We chase the 8s and 9s, fueled by the anxiety of placement drives and the expectations of our families. And let's be clear—academic excellence is vital. It shows discipline, consistency, and respect for the curriculum. But as we stand on the brink of a rapidly evolving professional world, we must ask ourselves a hard question: Is a high CGPA enough? The short answer is no. The long answer is that while your CGPA is the key that unlocks the door to the interview room, it is your personality, skills, and portfolio that keep you in the seat.

The Gatekeeper vs. The Game Changer

Think of your CGPA as a filter. Many top-tier companies visiting our campus use it to shortlist candidates. It matters. However, once you are sitting across from a recruiter, the conversation rarely revolves around your 3rd-semester Mechanics marks. They want to know: Can you solve problems? Can you work in a team? Do you have the hunger to learn what isn't in the syllabus? In the corporate world, a 9.0 pointer who cannot communicate effectively is often less valuable than a 7.5 pointer who can lead a team through a crisis.

The Unmarked Curriculum

Some of the most valuable lessons at Landran aren't taught in the lecture halls of Block 3 or 5 they are learned in the unmarked curriculum.

- **Networking:** The friends you make today are the professional network you will leverage tomorrow. Your bench-mate might be the co-founder of your future startup.
- **Soft Skills:** Participating in Parivartan, managing a club event, or even volunteering for a department fest teaches you negotiation, time management, and emotional intelligence—skills that no textbook can quantify.
- **Curiosity:** The willingness to look beyond the syllabus. Are you exploring new tech stacks? Are you reading about global market trends? This intellectual curiosity is what separates a student from a scholar.

Building a Portfolio, Not Just a Transcript

In 2026, a GitHub profile, a Behance portfolio, or a well-documented internship experience speaks louder than a transcript. When you build a project from scratch, you demonstrate passion.

When you intern at a startup, you demonstrate grit. These are the proof of work that modern recruiters crave. They show that you can apply theory to practice, turning knowledge into action.

The Verdict

So, should you stop studying? Absolutely not. Strive for that distinction. But do not let the pursuit of a number blind you to the broader education happening all around you. Your degree proves you were a student at CGC Landran. Your skills, your character, and your passion prove that you are ready to be a professional. Work on your CGPA, but work harder on yourself. Because in the long run, you are your best credential.

Shivanshu Kumar
B.Tech CSE

India's G20 Presidency

India's G20 presidency in 2023 was seriously impressive — honestly, more effective than many people expected. It showed how bridge-building is still possible in a world that feels increasingly divided and, at times, stubborn. The summit at Bharat Mandapam in New Delhi proved that global cooperation hasn't completely broken down yet. More importantly, it shifted attention toward issues that matter to the Global South, which don't always get priority. Since then, India has been described as a genuine “bridge-builder,” though how long this role lasts will depend on what happens next, especially as the G20 moves toward 2025. A Big Win for India One of the biggest achievements of 2023 was securing permanent membership for the African Union.

This move mattered — not just symbolically, but politically — because it broadened representation in a forum often criticized for being exclusive. What stood out was India's ability to push through a unanimous leaders' declaration despite clear geopolitical tensions. Instead of forcing consensus on everything, India focused on areas where agreement was still realistic: Climate Action That Makes Sense: India emphasized that climate change isn't only about targets and deadlines. It's also about fairness. The argument was simple but effective: developing countries need space to grow, and richer nations must support them through funding and technology. Some critics felt progress was slow, but the framing itself was important. Fixing the Debt Problem: There were serious discussions around debt relief for vulnerable economies and the outdated structure of global financial institutions. While solutions weren't immediate, the issue was pushed back into the center of global debate, where it arguably belongs. Growth for Everyone: India repeatedly stressed inclusive growth, linking economic progress with sustainability and digital public infrastructure. This overall approach — often described as “strategic autonomy” — meant engaging with all sides without fully aligning with any bloc. It didn't please everyone, but it gave India room to maneuver. Keeping the Momentum India's role didn't end with the presidency. The so-called “New Delhi Consensus” on development, finance, and climate equity has influenced how later G20 discussions are framed. India remains a key stakeholder and seems determined to keep these priorities alive.

The proposed AI Impact Summit in 2026 also signals that India wants to shape future governance debates, not just react to them — especially in areas where rules are still unclear. A Lesson in Statecraft Overall, India's G20 presidency offers an interesting case study in modern diplomacy. It shows how a rising power can influence global conversations by focusing on connection and fairness rather than dominance. Inspired by the idea of “Vasudeva Kutumbakam” — “the world is one family” — India's approach doesn't solve every problem, but it does offer a practical and somewhat hopeful model for cooperation in a fractured world.

Paras Dhingra
B.Tech Cyber Security

Where Sound Becomes Memory

I used to think music was something we played in the background while studying, walking across campus, or filling silence. But over time, I realized music isn't something we simply listen to; it's something we enter.

Long before we analyse lyrics or recognize genres, music reaches places language cannot. A song can change how we feel within seconds, even when nothing around us has changed. The room stays the same. The moment stays the same. Only the sound enters, yet our inner state shifts.

This isn't coincidence. It's biology.

The Brain Doesn't Hear Music: It Responds to It

When we listen to music, the brain doesn't process it in a single location. Instead, multiple regions activate at once. The limbic system responds emotionally, releasing dopamine, the same chemical involved in pleasure, motivation, and reward. That's why a familiar melody can feel comforting, energizing, or deeply nostalgic.

At the same time, the frontal lobe engages with rhythm and structure, helping us anticipate what comes next. This balance between emotion and expectation is what makes music so powerful. It doesn't just express feeling; it trains the brain to move through it.

Over time, repeated exposure to certain sounds strengthens neural pathways. This is neuroplasticity in action. Music doesn't just accompany our moods; it quietly reshapes how we process them.

When the World Gets Quiet, Music Gets Personal

During the day, music often stays light. It follows routines: walking to class, finishing assignments, passing time. But at night, something changes. The world grows quieter, and thoughts grow louder.

Late-night overthinking rarely arrives alone. Memories stretch. Emotions resurface. In these moments, music doesn't interrupt the mind; it gives those thoughts a rhythm, making them easier to sit with. We replay certain songs not because they trap us in our feelings, but because they reflect what's already happening inside us.

Music doesn't judge whether those thoughts make sense. It simply stays.

That's why certain songs don't remind us of a person's face, but of how they made us feel: the comfort, the confusion, the quiet affection, the unfinished conversations. Lyrics become personal, even when they were never written for us.

Why Nature Feels Like Music

Some sounds feel calming almost instantly: flowing water, rain, wind moving through trees. These natural patterns are predictable, gentle, and non-threatening. The brain recognizes them as safe.

Research on sound and stress suggests that such rhythmic, low-variation sounds help regulate cortisol, the hormone linked to stress. In contrast, chaotic or constantly shifting noise demands attention, keeping the brain alert instead of at ease.

Perhaps this is why silence in nature feels fuller than noise in a city. Our minds evolved in environments where sound signaled meaning, not overload. When we bring those natural frequencies back into our lives through music or environment, the brain responds by slowing down.

The Modern Paradox of Sound

Music has the power to heal but also to overwhelm.

Today, we are surrounded by constant, high-intensity sound. Loud beats and heavy bass offer instant stimulation, releasing dopamine quickly and intensely. In short bursts, this can boost energy and motivation. But when consumed without awareness, it leads to mental fatigue, reduced attention, and emotional restlessness.

The issue isn't volume or intensity alone. It's unconscious consumption.

Music is most powerful when it matches intention: energizing when we need movement, calming when we need rest. Without that balance, sound becomes noise.

Music as a Backdoor to Memory and Healing

One of the most striking examples of music's power appears in patients with Alzheimer's disease. Even when language fades, musical memory often remains. Songs learned decades earlier can still be sung word for word.

This happens because musical memory is stored across multiple brain regions. When one pathway weakens, others compensate. Music becomes a backdoor to identity: a reminder of self when other cognitive functions struggle.

That's why music is increasingly used in therapy, pain management, and emotional recovery. It doesn't demand explanation. It allows feeling to exist without pressure.

From Soundtracks to Awareness

Music doesn't fix our emotions. It reflects them. It understands overthinking, quiet happiness, long drives, emotional highs, and heavy lows.

The question isn't what we listen to; it's how consciously we listen.

Music will always shape us. The only choice we have is whether we allow it to do so unconsciously, or learn to listen with intention, letting sound become not just background noise, but a guide through our inner world.

Sumit Pathak & Muskan Garg
B.Tech AI – ML
6th Semester

Empowering Women: The Catalyst for Global Progress

Women's empowerment is the process of providing women with the tools, rights, and confidence to determine their own futures. It is not a zero-sum game where one gender loses so another can win; rather, it is a fundamental shift that strengthens the entire social and economic fabric of our world. While the conversation has evolved significantly over the last century, the journey toward true equity requires addressing empowerment through several critical lenses.

The Pillars of Empowerment

True empowerment isn't just about a single achievement; it's an ecosystem of support across different sectors:

- **Education:** Knowledge is the ultimate equalizer. When a girl is educated, she is more likely to marry later, have healthier children, and contribute to the workforce. Education provides the critical thinking skills necessary to challenge outdated societal norms.
- **Economic Independence:** Financial autonomy gives women the "power of exit"—the ability to leave abusive situations or restrictive environments. It also allows them to reinvest in their families; studies consistently show that women spend a higher percentage of their income on their children's nutrition and schooling.
- **Political Representation:** Empowerment means having a seat at the decision-making table. When women hold office, legislation tends to focus more heavily on social safety nets, healthcare, and family welfare, benefiting the population at large.

The Ripple Effect

The impact of empowering a single woman extends far beyond her individual life. It creates what economists call a "multiplier effect":

1. **Reduced Poverty:** Closing the gender gap in the workforce could add trillions to the global GDP.
2. **Healthier Societies:** Empowered mothers are more likely to immunize their children and seek medical care, lowering infant and maternal mortality rates.
3. **Peace and Stability:** Research suggests that societies with higher levels of gender equality are less likely to engage in violent conflict.

Breaking the Barriers

Despite progress, significant hurdles remain. **Structural inequality**—such as the gender pay gap and the "double burden" of unpaid domestic labor—continues to stall advancement. Additionally, **cultural mindsets** that view women as secondary to men persist in many professional and private spheres. Empowerment also requires involving men and boys in the conversation. Redefining masculinity to include the support of gender equity is essential for creating a world where everyone can thrive without being confined by rigid gender roles.

A Shared Future

Women's empowerment is the most effective tool we have for global development. By ensuring equal access to education, fair wages, and leadership roles, we aren't just helping women; we are unlocking the full potential of the human race. The path forward is clear: when women rise, we all rise.

Aditi Mishra
B.Tech R&AI
4th Semester

Redefining Human Purpose

The world is slowly moving toward a future where machines can do almost everything. From driving cars to analyzing medical reports, automation is becoming part of daily life. This raises a simple but important question, if everything is automated, what will humans do? For a long time, our work has defined who we are. But now, instead of doing tasks, humans may focus more on deciding what should be done and why it matters.

At the same time, machines are becoming much faster at thinking than us. They can process huge amounts of data in seconds and make quick decisions. This could make humans the slowest thinkers on Earth. But being slower does not mean being useless. Humans still have qualities that machines don't, like emotions, creativity, and the ability to understand situations beyond data. The real challenge is not to compete with machines in speed, but to use our strengths wisely.

As machines start making important decisions, another question comes up, can code understand what is right or wrong? For example, if an autonomous car must choose between two harmful outcomes, who decides what is "right"? The developer, the company, or society? Situations like this show how difficult it is to put human values into machines. Code follows instructions, but human decisions are often based on feelings, context, and judgment. This makes it hard to fully trust machines with ethical choices.

With this growing power of AI, responsibility becomes unclear. If an AI system makes a mistake or causes harm, can it be called a criminal? Or is the fault of the person who created it? Machines don't have intentions like humans do, but their actions can still have serious effects. This creates confusion about who should be held responsible when something goes wrong.

Taking it one step further, even small software bugs can create big problems. What if a simple error in code leads to real-world damage? Usually, bugs are seen as technical mistakes, but in complex systems, their impact can be much larger. Thinking about giving such errors legal importance may sound strange, but it shows that our current way of handling technology might not be enough for the future.

In all this, the idea of the "last human job" becomes interesting. Humans may not disappear from the system, but their roles will change. Instead of doing repetitive work, they may guide machines, make important decisions, and ensure everything runs in the right direction. Human work may become less about effort and more about responsibility and creativity.

In the end, this shift is not just about machines becoming smarter. It is about humans finding a new purpose. As automation grows, we may need to focus less on doing tasks and more on understanding meaning, values, and impact. The future will depend not only on what machines can do, but on how humans choose to use them.

Deepu Kumar
B.Tech AI – ML
6th Semester

Smart Management in a Digital Age: Balancing People, Process, and Technology

Introduction

In today's ever transforming world, management is not just in the areas of planning, organizing, directing and controlling resources. It is also in the area of adaptation, innovation, and leadership, in a world which is at the hand of both human and tech elements. As companies adopt more digital tools the role of a manager is changing into that of a balanced decision maker.

The Changing Face of Management

Previously, management focused on efficiency, hierarchy, and monotonous work culture. But modern organizations are shifting towards flexibility, collaboration, and data-driven decisions. With the increase of digital tools like dashboards, analytics platforms, and AI assistants, managers now have access to real-time insights. But here's the catch - data alone does not make decisions, people do.

People Management - The Core of Success

No matter what progress we see in technology, organizations will always depend on people. We see that which managers do best are those who communicate, show empathy, lead and resolve conflict. Today's employees don't just care about salary, they are looking for purpose in what they do, chance to grow, and to be recognized. A manager who is able to tie in the organization's goals with that of his employees, creates a more efficient and productive work environment.

Balancing the Three Pillars

In today's management, which is what we put our focus on is the achievement of a balance between people, process, and technology. People are the foundation and heart of any organization which we see play out in terms of motivation, team work, and leadership which in turn improve overall performance. At the same time we have well thought out processes which have efficient and consistent systems, workflows and operations. To this we add in technology in which we implement tools, data and automation into play thus improving decision making and productivity. What we see in truly effective management is the integration of these three elements which we pay attention to in equal measure and which also support and strengthen each other.

Conclusion

In the digital age management is not a choice between man or machine, it is about which we combine best. While tech brings speed and accuracy, what humans bring to the table is creativity, ethics, and emotional intelligence. As we look to the future of management and the role of the MBA professional we should be developing into adaptive leaders who think critically, act responsibly, and lead in our tech powered world.

Because in the end, great management is not about controlling change, but about leading through it.

Smile Chauhan
MBA

Rethinking Enterprise Management in the Age of AI: From Governance to Enablement

Leaders must rethink the way they manage people and projects to ensure that everyone reaps the efficiency and innovation benefits of generative AI-----Brain Eastwood

Introduction: AI Transforming Enterprise Management

Enterprise leaders must reconsider how they handle people, procedures, and projects as artificial intelligence becomes more prevalent in daily work. The most recent insights from the MIT Sloan Management Review explain how to employ nudges to motivate AI users to verify outputs for accuracy, as well as how to reorganise how individuals and teams function in the presence of AI. Additionally, there are lessons to be learned from a prominent AI adopter that has chosen to prioritise innovation enablement over governance that may limit it.

AI at human scale: A shift in organisational dynamics.

Because technology could only provide so much intelligence, organisational forms were able to withstand earlier innovations, such as the assembly line and the internet. According to Ethan Mollick, SM '04, PhD '10, an associate professor at the University of Pennsylvania, generative AI operates at a human scale, which sets it apart from the huge language models on which it is built. For instance, team members at the Wharton School's Wharton Interactive software firm employ AI technologies to create code, marketing materials, documentation, and more for less than \$100 per month.

Identifying and leveraging Existing AI Users:

Recruit existing AI acknowledge that these users may be at any level of the company and are probably utilising AI without their supervisors' knowledge. Allow groups to create their own strategies. For AI, standard procedures that centralise strategy, innovation, and project management move far too slowly. In the meantime, advisors frequently find it difficult to predict how AI will function for a particular business. The greatest way to figure out how to use AI is for individual teams.

Using Nudges to Detect AI Errors

How users might identify generative AI problems with the aid of helpful friction According to recent research by MIT doctoral candidate Haiwen Li and senior lecturer and research scientist Renée Richardson Gosline at MIT Sloan, nudges can assist users in identifying mistakes in text produced by generative AI tools with minimal effect on a user's productivity.

Experimental Evidence on AI output Verification:

Users created executive summaries of corporate profiles in the study, which was a joint effort between MIT and Accenture, and included citations to relevant sources. Participants were divided into three groups and given access to text outputs from ChatGPT, a generative AI tool. One received text outputs with likely errors or omissions indicated in certain colours, one received no such highlights, and one received outputs with likely correct passages highlighted together with likely errors and omissions.

Change the emphasis of AI from governance to enablement

From governance to enablement in AI adoption: AI has gained traction in the healthcare industry thanks to its ability to enhance organisational workflows, whether it be by expediting administrative procedures or assisting physicians in diagnosing patients more quickly. In their article describing the Mayo Clinic's experience with AI models, Thomas H. Davenport, a fellow of the MIT Initiative on the Digital Economy, and co-author Randy Bean go so far as to call the integrated health system in Minnesota "the most aggressive adopter of AI among U.S. health care providers."

Mayo's Clinic AI strategy: Empowering Innovation.

Changing the focus of the Mayo Clinic's AI implementation from governance to enablement has been crucial to its success. Enablement emphasises granting employees the freedom to develop and test AI models relevant to their area, whereas governance specifies what can and cannot be done.

Mayo employs 60 people to manage the company's data repository and assist AI and data enablement. The organization provides internal users with a platform for developing AI products and applications and for collecting data required to receive approval from the U.S. Food and Drug Administration. However, because end users are better familiar with the data and its value, it is their responsibility to ensure data quality and integration. This ensures that others across the enterprise may integrate high-quality data into their AI models, which enhances rather than complicates enablement.

Taranveer Kaur
MBA

Mastering Time: Turning Discipline into Success

In an era defined by constant competition and increasing academic demands, time has become one of the most valuable resources for students. The ability to manage time effectively is not merely a skill but a necessity for achieving both academic excellence and personal growth. Time management empowers individuals to convert their daily efforts into meaningful outcomes, ultimately shaping a disciplined and successful life.

Understanding the Value of Time

Time, once lost, can never be regained. Despite this universal truth, many students struggle to utilize their time efficiently. Poor planning, procrastination, and lack of clear goals often lead to stress and underperformance. Recognizing time as a limited and valuable resource is the first step toward mastering it. When students begin to respect time, they naturally develop habits that promote productivity and consistency.

Strategic Planning and Prioritization

Effective time management is rooted in proper planning and prioritization. Students must learn to differentiate between urgent and important tasks. Tools such as daily schedules, planners, and priority matrices help in organizing work systematically. By allocating specific time slots to each activity, students can ensure that all responsibilities are addressed without unnecessary pressure. This structured approach not only improves efficiency but also enhances the quality of work.

Overcoming Procrastination

One of the biggest obstacles to time management is procrastination. Delaying tasks often results in last-minute stress and compromised performance. To overcome this, students should adopt techniques such as breaking tasks into smaller, manageable parts and setting realistic deadlines. Maintaining self-discipline and staying focused on long-term goals can significantly reduce the tendency to procrastinate.

Balancing Academic and Personal Life

Time management is not limited to academics alone; it also involves maintaining a balance between studies, relaxation, and personal development. Students who manage their time effectively can engage in extracurricular activities, pursue hobbies, and spend quality time with family and friends. This balance is essential for overall well-being and prevents burnout.

Building Lifelong Skills

The practice of time management fosters essential life skills such as discipline, responsibility, and decision-making. These qualities are not only beneficial during academic years but also play a crucial role in professional life. In the corporate world, the ability to manage time efficiently is directly linked to productivity and success.

Conclusion

In conclusion, time management is a powerful discipline that transforms ordinary efforts into extraordinary achievements. By valuing time, planning strategically, and maintaining consistency, students can unlock their true potential. Mastering time is, ultimately, mastering life itself.

Navkiran Kaur
MBA

From Theory to Reality: Why Practical Learning Matters More

Engineering education has traditionally focused on theoretical knowledge, emphasizing concepts, formulas, and examinations. While theory provides the foundation, it is practical learning that brings these concepts to life. Without hands-on experience, engineering remains incomplete.

Practical learning allows students to apply theoretical concepts in real-world scenarios. It transforms abstract ideas into tangible results, making learning more meaningful and engaging. For example, understanding communication systems through textbooks is very different from building a working transmitter or analyzing signals in a lab.

One of the greatest advantages of practical learning is the development of problem-solving skills. Real-world projects rarely go as planned. Components may fail, errors may occur, and unexpected challenges may arise. Dealing with these situations teaches students how to think critically, adapt, and find solutions—skills that are essential in any engineering career.

Practical exposure also enhances creativity and innovation. When students work on projects, they are encouraged to experiment, explore new ideas, and think beyond the syllabus. This fosters a mindset of curiosity and continuous learning.

Another important aspect is confidence. Successfully completing a project or experiment gives students a sense of achievement and prepares them for professional challenges. It bridges the gap between academic knowledge and industry requirements.

Employers today prioritize candidates with practical experience. Projects, internships, and hands-on skills demonstrate the ability to apply knowledge effectively. Students who have worked on real-world problems are better equipped to handle workplace responsibilities.

Despite its importance, practical learning is often limited by time constraints and curriculum structure. Therefore, students must take initiative and seek opportunities beyond the classroom. Participating in workshops, building projects, and exploring online resources can significantly enhance practical knowledge.

In conclusion, theory and practice go hand in hand, but practical learning plays a crucial role in shaping competent engineers. It not only strengthens understanding but also prepares students for real-world challenges, making education truly meaningful.

Akash Kumar
B. Tech ECE

How IoT is Transforming Smart Cities in India

As India urbanizes rapidly, cities are facing growing pressure on infrastructure, resources, and public services. Problems such as traffic congestion, pollution, waste disposal, and water scarcity have become common. To solve these issues, the concept of smart cities has emerged, where technology is used to improve urban living. One of the most important technologies behind this transformation is the Internet of Things (IoT).

IoT refers to a network of connected devices that collect, share, and analyze data in real time. These devices use sensors and communication systems to make operations more efficient and intelligent. In smart cities, IoT helps improve services, save resources, and enhance sustainability. One major application of IoT is traffic management. Smart traffic systems use sensors and cameras to monitor roads and control traffic signals based on real-time conditions. This reduces congestion, saves fuel, and improves travel time.

IoT is also transforming waste management. Smart bins fitted with sensors can detect when they are full and send alerts for collection. This ensures timely waste removal, prevents overflow, and keeps cities cleaner. Water management is another important area. IoT systems can monitor water levels, detect leaks, and optimize supply. This helps reduce wastage and ensures better use of limited water resources.

In India, the Smart Cities Mission has encouraged many cities such as Pune, Surat, and Bengaluru to adopt IoT solutions like smart streetlights, intelligent surveillance, and automated public services. Smart streetlights, for example, adjust brightness according to movement, reducing electricity consumption.

Despite its benefits, IoT implementation faces challenges such as high infrastructure costs, data privacy risks, and lack of technical awareness. Strong cybersecurity measures and better planning are needed for successful adoption.

In conclusion, IoT is playing a key role in building smart cities in India. By combining technology with urban infrastructure, it provides practical solutions to modern challenges. It also creates exciting opportunities for students and professionals to contribute to smarter and more sustainable cities.

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Skills That Matter More Than CGPA in 2026

For decades, a student's academic performance, often summarized by their CGPA has been treated as the most important measure of success. A high CGPA was seen as a gateway to good jobs, better opportunities, and professional recognition. However, as we move further into 2026, this traditional mindset is gradually shifting. While academic scores still hold value, they are no longer the defining factor in determining a student's potential. Instead, skills—both technical and interpersonal—are taking center stage.

The reason behind this shift is simple: the demands of the modern workplace have changed. Today's industries are dynamic, fast-paced, and constantly evolving. Employers are not just looking for individuals who can memorize concepts and perform well in exams; they are searching for candidates who can apply knowledge, solve real-world problems, and adapt to new challenges.

One of the most important skill sets in this new landscape is technical proficiency. For students in fields like Electronics and Communication Engineering, this includes programming, data analysis, understanding of tools, and hands-on project experience. Knowing how to code in languages like Python or C, working with microcontrollers, or building practical projects often carries more weight than theoretical knowledge alone. This is because technical skills demonstrate the ability to translate ideas into action.

Alongside technical abilities, problem-solving skills have become highly valuable. In real-world scenarios, problems are rarely straightforward. They require critical thinking, creativity, and the ability to approach challenges from multiple angles. Employers prefer candidates who can analyze situations, identify solutions, and execute them effectively. This kind of thinking cannot be measured through exam scores—it is developed through experience, experimentation, and continuous learning.

Equally important are communication skills. No matter how skilled a person is technically, the ability to express ideas clearly and confidently is essential. Whether it is presenting a project, collaborating with a team, or explaining a concept to a client, communication plays a crucial role. In fact, many opportunities are lost not due to lack of knowledge, but due to the inability to convey it effectively.

Another key aspect is teamwork and collaboration. Modern workplaces thrive on collaboration, where individuals from different backgrounds and expertise work together to achieve common goals. Being able to work in a team, respect diverse perspectives, and contribute positively is a skill that employers actively look for. Engineering is no longer an isolated field—it is deeply interconnected with other domains, making collaboration more important than ever.

In addition to these, adaptability has emerged as a critical skill. Technology is evolving at an unprecedented rate, and what is relevant today may become outdated tomorrow. Students who are willing to learn, unlearn, and relearn have a significant advantage. Adaptability reflects a growth mindset—the ability to embrace change and continuously improve.

Practical experience is another factor that sets students apart. Projects, internships, and hands-on work provide exposure to real-world challenges and help in building confidence. A student who has worked on practical applications can demonstrate their skills more effectively than someone who has only theoretical knowledge. This is why portfolios and project work are gaining importance during placements.

It is important to clarify that this shift does not make CGPA irrelevant. Academic performance still reflects discipline, consistency, and dedication. A good CGPA can help in clearing initial screening processes and shows that a student has a strong academic foundation. However, it is no longer sufficient on its own. Without skills to support it, a high CGPA may not translate into real-world success.

The ideal approach, therefore, is to maintain a balance. Students should aim for decent academic performance while actively working on skill development. Instead of focusing solely on grades, they should invest time in learning new technologies, building projects, participating in competitions, and gaining practical exposure.

In conclusion, the definition of success in engineering and other professional fields is evolving. In 2026, what truly matters is not just what you know, but what you can do with that knowledge. Skills such as technical expertise, problem-solving, communication, teamwork, and adaptability are becoming the real indicators of potential. CGPA may open the door, but it is skills that determine how far you can go once you step inside.

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Why Today's Youth Don't Just Want Jobs, They Want Purpose

For decades, success was defined by a stable job, a steady income, and a predictable career path. Parents encouraged their children to “settle down” with a secure job, and ambition was often measured by salary packages and job titles. However, today's youth are rewriting this definition. They are not rejecting jobs; they are rejecting meaningless work. What they seek is purpose.

The modern youth have grown up in a world of rapid change. Technology has exposed them to global issues such as climate change, mental health crises, inequality, and social injustice at an early age. As a result, they are more aware and more questioning. They ask a simple but uncomfortable question: “Why am I doing this?” If a job cannot answer that question, it quickly loses its appeal.

Unlike previous generations, today's youth do not see work as just a survival tool. They see it as an extension of their identity. A job that pays well but feels empty is no longer attractive. Young professionals want to know whether their work creates impact, solves real problems, or contributes positively to society. This is why careers in startups, social enterprises, research, sustainability, and technology-driven innovation are gaining popularity.

Another major factor is the shift in values. Youth today prioritize mental health, work-life balance, and personal growth. They have witnessed burnout, job dissatisfaction, and health issues faced by earlier generations who sacrificed everything for “security.” Learning from this, they prefer meaningful engagement over blind routine. Purpose gives them motivation, resilience, and a reason to grow even when work becomes challenging.

Education institutions like CGC Landran play a crucial role in shaping this mindset. By encouraging innovation, entrepreneurship, community projects, and skill-based learning, colleges help students connect knowledge with real-world impact. When students see how their skills can improve lives, purpose naturally follows.

In conclusion, today's youth are not unrealistic or lazy, as they are often labeled. They are simply more conscious. They want careers that align with their values, passions, and sense of responsibility toward society. A job may pay the bills, but purpose feeds the soul. And this generation is brave enough to demand both.

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Coding Is the New Literacy: Why Every Student Should Learn Tech Basics

In the 21st century, literacy is no longer limited to reading books and writing essays. As technology becomes an inseparable part of our daily lives, coding has emerged as a new form of literacy. From smartphones and smart homes to artificial intelligence and data science, technology shapes how we live, learn, and work. This is why learning the basics of coding is no longer optional—it is essential for every student.

Coding develops logical thinking and problem-solving skills. When students learn to code, they learn how to break complex problems into smaller, manageable steps. This structured way of thinking is useful not only in computer science but also in subjects like mathematics, science, and even daily life decision-making. Coding trains the mind to think creatively while remaining logical.

Another major benefit of learning tech basics is improved career opportunities. Today, almost every industry relies on technology—healthcare, education, finance, agriculture, and entertainment. Even non-technical jobs now require basic digital and technological understanding. By learning coding early, students gain a strong foundation that opens doors to future careers in software development, artificial intelligence, data science, cybersecurity, and many other emerging fields.

Coding also encourages creativity and innovation. Many students believe coding is only about numbers and commands, but in reality, it is a powerful creative tool. Through coding, students can design websites, develop mobile apps, create games, and build solutions to real-world problems. This ability to turn ideas into reality boosts confidence and inspires innovation.

Moreover, understanding technology makes students smarter digital citizens. In a world filled with social media, apps, and online platforms, knowing how technology works helps students use it responsibly and safely. They become more aware of data privacy, cyber security, and ethical use of technology—skills that are extremely important in today's digital age.

In conclusion, coding is the new literacy of the modern world. Just as reading and writing empowered previous generations, coding empowers today's students to shape the future. By learning tech basics, students become better thinkers, creators, and problem-solvers. Educational institutions must encourage coding education so that students are not just consumers of technology, but creators of it.

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Are We Educated or Just Digitally Trained?

In the 21st century, education is increasingly measured by digital proficiency rather than intellectual depth. Online certifications, technical skills, and platform-based learning have become indicators of success. While this transformation has improved access and efficiency, it forces us to confront a critical question: are we nurturing educated minds or merely producing digitally trained individuals?

Education is a lifelong process aimed at shaping an individual's intellect, character, and worldview. It goes beyond acquiring information and focuses on developing critical thinking, ethical judgment, emotional intelligence, and the ability to connect ideas across disciplines. Education teaches individuals how to think, not merely what to do. Digital training, in contrast, is task-oriented and efficiency-driven. It equips individuals with the skills required to operate tools, software, and technologies to meet immediate objectives. A society that prioritizes digital training over education risks producing technically capable individuals who lack depth, adaptability, and independent judgment.

The Rise of Skill-Centric Learning: Modern education systems increasingly align themselves with market demands. Curricula are designed to ensure quick employability, often at the cost of deep learning and conceptual understanding. Students are trained to adapt to rapidly changing technologies without fully grasping their foundations or long-term consequences. This approach produces skilled users of technology, but limits innovation, originality, and intellectual independence.

The Illusion of Being Educated: In the digital age, technological proficiency often creates a false sense of education. The ability to use artificial intelligence tools, manage digital platforms, or complete online certifications may appear impressive, but it does not guarantee true understanding. Without analytical reasoning, ethical awareness, and conceptual clarity, such knowledge remains superficial and fragile.

Consequences of Digital-Only Learning

- Weakening of critical and analytical thinking due to excessive dependence on digital tools.
- Decline in deep learning and concentration as a result of constant digital stimulation.

The Role of Educators and Institutions

Educational institutions play a decisive role in shaping the future of learning. They must go beyond syllabus completion and technical instruction to cultivate intellectual resilience and moral awareness. Educators should encourage dialogue, critical inquiry, and reflective learning. Education should empower learners to understand technology deeply rather than consume it passively.

So, Digital training is undeniably powerful, but power without understanding is dangerous. If education is reduced to mastering tools, society may gain efficiency but lose wisdom. True education lies in the ability to think beyond screens, question beyond algorithms, and act beyond instructions. The real challenge of the digital age is not to create faster users of technology, but deeper thinkers in a digital world. When technology begins to think for us, we must ask ourselves whether we are truly educated or merely trained.

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