

**FEBRUARY
2026**

THE NEWSLETTER

DEPARTMENT OF CSE

**FIND
YOUR
SPARK**





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About: The legacy behind Excellence

GL Bajaj Institute of Technology and Management: A Premier Institution in North India

GL Bajaj Institute of Technology and Management, Greater Noida, is one of the leading self-financed educational institutions in the Delhi-NCR region. Established under the esteemed Rajeev Memorial Academic Welfare Society (Registered under the Societies Registration Act, 1860), the institute is approved by the All India Council for Technical Education (AICTE), Ministry of Education, Government of India, and is affiliated with Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow.

GL Bajaj stands out not only for its academic rigor but also for its commitment to nurturing well-rounded individuals equipped with the skills and values required for a successful future. The institute consistently maintains one of the highest pass percentages among engineering and management colleges affiliated with AKTU in the Noida and Greater Noida region.

Over the past eight years, GL Bajaj has secured a distinguished position in AKTU university results and is widely recognized among the top institutions in North India.





Institutional & Departmental Ethos

Vision of the Institute

To be an institute of repute, providing globally competent and socially sensitive professionals

Mission of the Institute

- To equip with the latest technologies to be globally competitive professionals.
- To inculcate qualities of leadership, professionalism, corporate understanding and executive competence.
- To imbibe and enhance human values, ethics and morals in our students.

Department Vision

M1 : Developing a strong mathematical & computing skill set among the students.

M2 : Extending the role of computer science and engineering in diverse areas like Internet of Things (IOT), Artificial Intelligence & Machine Learning and Data Analytics.

M3 : Imbibing the students with a deep understanding of professional ethics and high integrity to serve the Nation.

M4 : Providing an environment to the students for their growth both as individuals and as globally competent Computer Science professionals with encouragement for innovation & start-up culture.

Program Specific Outcomes (PSOs)

PSO1 : Students will be able to use problem solving skills to develop efficient algorithmic solutions.

PSO2 : Students will be able to develop solutions for a given problem in the area of artificial intelligence, data analytics, Computer Vision and IOT through a conducive environment and infrastructure.

Program Educational Objectives (PEOs)

PEO 1 : Graduate will work in the area of Application Software Development, Artificial Intelligence & Machine Learning, Data Analytics, and Internet of Things.

PEO 2 : Graduates will become successful software professionals with leadership and managerial quality in the modern software industry based on their strong skills on theoretical and practical foundation.

PEO 3 : Graduate will exhibit professional ethics and moral value with capability of working as an individual and as a team to contribute towards the need of industry and society



Institutional & Departmental Ethos

Knowledge and Attitude Profile (WK)

WK1.A systematic, theory-based understanding of the natural sciences applicable to the discipline and awareness of relevant social sciences.

WK2.Conceptually-based mathematics, numerical analysis, data analysis, statistics and formal aspects of computer and information science to support detailed analysis and modelling applicable to the discipline.

WK3.A systematic, theory-based formulation of engineering fundamentals required in the engineering discipline.

WK4.Engineering specialist knowledge that provides theoretical frameworks and bodies of knowledge for the accepted practice areas in the engineering discipline; much is at the forefront of the discipline.

WK5.Knowledge, including efficient resource use, environmental impacts, whole-life cost, re-use of resources, net zero carbon, and similar concepts, that supports engineering design and operations in a practice area.

WK6.Knowledge of engineering practice (technology) in the practice areas in the engineering discipline.

WK7.Knowledge of the role of engineering in society and identified issues in engineering practice in the discipline, such as the professional responsibility of an engineer to public safety and sustainable development.

WK8.Engagement with selected knowledge in the current research literature of the discipline, awareness of the power of critical thinking and creative approaches to evaluate emerging issues.

Ethics, inclusive behavior and conduct. Knowledge of professional ethics, responsibilities, and norms of engineering practice. Awareness of the need for diversity by reason of ethnicity, gender, age, physical ability etc. with mutual understanding and respect, and of inclusive attitudes.



Institutional & Departmental Ethos

Program Outcomes (POs)

Engineering Graduates will be able to:

PO1.Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2.Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3.Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4.Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5.Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6.The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7.Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8.Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9.Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10.Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11.Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)



Visionary Voice



**Dr. Manas Kumar
Mishra**

Director, GLBITM

*“The goal of education
is the advancement of
knowledge and the
dissemination of
truth.”*



It gives me immense pleasure to connect with our students and faculty through the monthly newsletter of the Department of Computer Science and Engineering. This platform reflects not only academic progress but also the collective spirit of innovation, discipline, and excellence that defines GL Bajaj.

In an era where technology evolves at an unprecedented pace, each new day presents fresh challenges and opportunities. It is the need of the hour to continuously upgrade our skills, adopt innovative strategies, and remain aligned with emerging industry trends. At GL Bajaj, we remain committed to strengthening our academic foundation while fostering research, innovation, and practical application of knowledge. Our focus is not only on creating new avenues of learning but also on transforming ideas into real-world technological solutions that contribute to societal and professional growth.

I firmly believe that students who walk the guided path laid by our institution will carry forward the skills, values, and experiences gained here throughout their lives. Our objective is to ignite the potential within every learner and nurture them through a balanced blend of technical competence, hands-on exposure, and strong ethical values. By promoting a culture of critical thinking, resilience, and independent learning, we aim to shape future-ready professionals who are also responsible citizens.

I extend my best wishes to the Department of Computer Science and Engineering for their continued efforts in academic excellence and innovation. I encourage our students to remain curious, disciplined, and committed to making a meaningful and positive impact in the world.



From the HOD's Desk Computer Science

Warm greetings to all of you!

It gives me immense pleasure to present this edition of the Department of Computer Science & Engineering's newsletter. This platform not only celebrates the accomplishments of our department but also serves as a bridge that connects us all—students, faculty, alumni, and stakeholders—with a shared sense of pride and progress.

In today's fast-paced, technology-driven world, where the boundaries between nations and disciplines are dissolving rapidly, it becomes essential to stay ahead with knowledge, skill, and adaptability. With globalization and competition shaping our future, our department strives to keep pace with emerging trends in technology, science, and education.

Let us continue this journey together with curiosity in our minds and courage in our hearts.

Warm regards,

Dr. Sansar Singh Chauhan
Head of the Department
Computer Science & Engineering



**Dr. Sansar Singh
Chauhan**

**Head of the
Department
Computer Science &
Engineering**

*"It's all about the
mindset and hard
work you put in."*





Editorial Crew

Message from the Editorial Board Coordinator

It gives me immense pleasure to present the monthly Edition of the much-awaited CSE Department Newsletter. This newsletter serves as a platform to highlight the academic achievements, innovative initiatives, research contributions, and vibrant activities of our department.

With each edition, we aim to capture the spirit of progress and showcase the dedication of our faculty, students, and staff.



I extend my sincere gratitude to all contributors, editors, and coordinators who have worked diligently to bring this newsletter to life. I also encourage students and faculty to actively participate in future editions by sharing their achievements, ideas, and creative inputs.

Together, let us continue to build a culture of learning, innovation, and excellence.

Mr. Shikhar Pandey

Editorial Board Coordinator

Department of Computer Science & Engineering

GL Bajaj Institute of Technology and Management



Editorial Crew



SHUBHANJALI



PRIYA GOEL



NAINSI MOTIYAN



REHAN SHAMIM



MAHEK SINGHAL



SHRUTI DIXIT



VAIBHAV



Student Achievement

Placement Milestone: Starting Batch 2027 Placements with a Bang->



MAYANK GUPTA
(CSE)

The Department of Computer Science and Engineering is immensely proud to announce a stellar achievement in our ongoing placement season. **Mayank Gupta**, a **pre final-year CSE student from the Batch of 2027**, has secured a prestigious placement offer with an incredible package of **₹44 LPA**.

This remarkable feat sets a high benchmark for the upcoming batch and reflects the technical competence and dedication prevalent in our department. Mayank's success is a testament to his consistent hard work, problem-solving skills, and the rigorous academic training provided at GL Bajaj Institute of Technology and Management.

Highlights of the Achievement:

The Department of CSE extends its heartiest congratulations to Mayank Gupta on this phenomenal achievement. We wish him immense success as he begins his professional journey and continues to bring laurels to the institution.



Student Achievement

Placement Highlight->



GL Bajaj Institute of Technology & Management (GLBITM) proudly congratulates **Shreya Prowal** and **Faisal Khan** of B.Tech, Batch 2026, on securing impressive placements at FarEye through the campus recruitment drive.

This remarkable achievement reflects their dedication, perseverance, and strong technical foundation, while also highlighting the institute's commitment to academic excellence and industry readiness.

GL Bajaj takes immense pride in the success of its students and wishes them continued growth and success in their professional journeys. Sharing their reflections, the achievers expressed, **“From day one in the classroom to securing our final placement, GL Bajaj stood as a constant pillar of support.**

The knowledge, discipline, and encouragement we gained here built our confidence and prepared us for the professional world. We are proud to be shaped by GL Bajaj.



Student Achievement

Winner of Katalyst India Tech Fest 2026->



Achievement 1st Position at Katalyst India Tech Fest 2026 "The Department of Computer Science and Engineering proudly congratulates our talented students for securing **1st Position at Katalyst India Tech Fest 2026** in the **Mini Engineering Project** category.

Their project, "**Fearless Femmes**" stood out among several innovative entries and was recognized for its impactful vision, technical execution, and confident presentation before an esteemed panel of judges and industry experts.

The team demonstrated exceptional creativity, problem-solving ability, teamwork, and perseverance throughout the competition. Their achievement was further honored with a cash prize of ₹24,000, marking a significant milestone in their engineering journey.

We extend our heartfelt congratulations to the team and wish them continued success in their future endeavors.

Team Members:

Mahek Tanwani

Kumari Sanjna

Ananya Jaiswal



Faculty Recognition

Book Publication Ms. Nitika->

Book Publication: **"Fundamentals of Software Engineering – Concepts, Practices and Applications"** "I am pleased to share the publication of my book titled **"Fundamentals of Software Engineering – Concepts, Practices and Applications."**

The book is designed to provide a comprehensive understanding of core Software Engineering principles including Software Development Life Cycle (SDLC), requirement analysis, design methodologies, software testing, project management, risk analysis, and quality assurance.

It aims to bridge the gap between theoretical concepts and practical implementation, making it highly beneficial for undergraduate and postgraduate students in Computer Science and related disciplines.

This publication reflects my continuous commitment to academic excellence and research-oriented learning in the field of Computer Science and Software Engineering."





Faculty Recognition

Book Publication

**Dr Arun Kumar, Dr Pooja, Dr Shyla, Dr Shalu
Mr. Deependra Singh->**

New Book Release: Bridging the Gap Between Java and AI

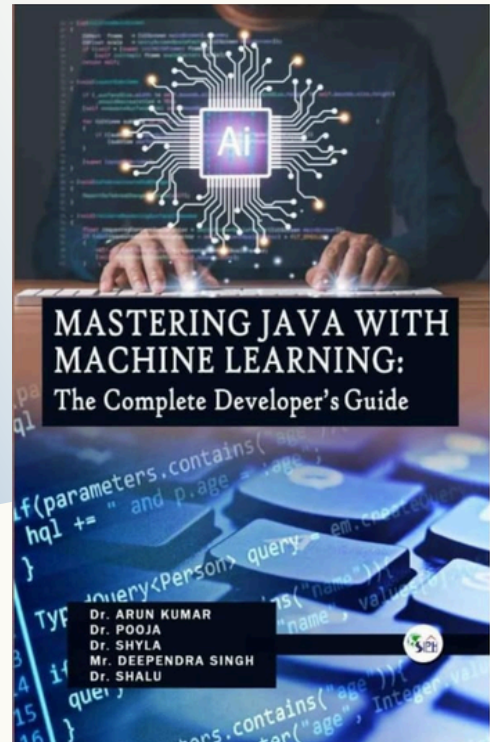
The Department of Computer Science and Engineering is proud to announce the release of a new book titled “**Mastering Java with Machine Learning: The Complete Developer’s Guide.**” Authored by **Dr. Arun Kumar** (along with co-authors **Dr. Pooja, Dr. Shyla, Mr. Deependra Singh, and Dr. Shalu**), this book has been published by the **Scientific International Publications House (SIPH)**.

This book is a comprehensive guide designed for intermediate developers who want to harness the power of Machine Learning within the Java ecosystem. Unlike traditional ML resources, this book focuses on practical, real-world implementation using Java-based tools and libraries.

Key highlights of the book include:

- **Core ML Techniques:** Detailed explanations of Classification, Clustering, and Anomaly Detection.
- **Advanced Analytics:** In-depth coverage of Text Mining and Big Data workflows.
- **Deep Learning Integration:** Practical approaches to combining Deep Learning models with Java applications.
- **Developer-Centric Approach:** Packed with hands-on code and industry-relevant examples.

The department congratulates Dr. Arun Kumar on the successful authorship of this book. This contribution will undoubtedly serve as a valuable resource for students and professionals aiming to master intelligent system development.





Faculty Recognition

FDP Programme Participation Ms. Abha Kaushik ->



Faculty Excellence: Enhancing Pedagogical Skills with AI

The Department of Computer Science and Engineering is proud to recognize **Ms. Abha Kaushik** for her successful participation in the **National Level Faculty Development Programme (FDP)** on “Building Teaching and Learning Skills using Artificial Intelligence Tools for Innovative Pedagogy in Higher Education.”

The program was organized by the Department of CSE, JIS University, Kolkata, in association with AIU-AADC, and held from February 5–10, 2026.

Key highlights of her participation include:

- **Innovative Pedagogy:** Gaining insights into modern teaching methodologies tailored for higher education.
- **AI Integration:** Hands-on experience with Artificial Intelligence tools designed to enhance student engagement and learning outcomes.

The department congratulates Ms. Abha Kaushik on completing this program. Her commitment to adopting emerging technologies in the classroom is a testament to her dedication toward academic excellence and modernizing the student learning experience.



Faculty Recognition

Research Excellence: Dr. Sonal Gandhi Secures Government of India Patent->

The Department of Computer Science and Engineering is immensely proud to announce a significant research breakthrough by our faculty member, **Dr. Sonal Gandhi**. **In collaboration with researchers from Delhi Technological University, Dr. Gandhi has been granted a formal patent by the Patent Office, Government of India (Patent No.: 578276).** The patent is titled “Hearing Aid System and Method for Context-Aware Alarm Detection and Personalized Biometric Feedback.”

About the Invention: This pioneering research introduces a smart hearing aid system that goes beyond simple sound amplification.

The Inventor Team:

1. **Anukriti Kaushal**
2. **Dr. Sonal Gandhi**
3. **Anurag Goel**
4. **Rajeev Kumar**

The department extends its heartiest congratulations to Dr. Sonal Gandhi for this stellar achievement. This patent not only highlights her research excellence but also reinforces the department’s commitment to fostering innovation that has a meaningful impact on society.





Faculty Recognition

Research Excellence at IEEE ICCSC-2026->



Ms. Aradhna Saini, from the Department of Computer Science and Engineering at G.L. Bajaj Institute of Technology and Management, has been recognized for her scholarly contribution at the 2nd International Conference on Computing, Sciences and Communications (ICCSC-2026). The prestigious conference, technically co-sponsored by IEEE UP Section, was organized by the Department of CSE at ABES Engineering College, Ghaziabad, on 12th and 13th February 2026.

Research Highlights: Ms. Saini presented her research paper titled “GeoGuide: Immigrant Accommodation Navigator Using K-means Clustering”.

The department extends its heartiest congratulations to Ms. Aradhna Saini on this achievement. Her dedication to advanced research and technical innovation serves as an inspiration to the entire academic community and reflects the department's commitment to research excellence.



Faculty Recognition

International Conference Reviewer ->



The Department of Computer Science and Engineering proudly acknowledges the contribution of **Dr. Pankaj Kumar** for serving as a **Reviewer** at the **IEEE International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI-2026)**, organized at **Gautam Buddha University, Greater Noida, India, from 12–14 February 2026**.

His insightful reviews and critical evaluation of research submissions played a vital role in upholding the academic standards and professional excellence of the conference.

The department sincerely appreciates his dedication and scholarly contribution toward promoting research and innovation in the domains of cognitive computing, engineering, and biomedical health informatics.



Faculty Recognition

Dr. Pankaj Kumar Served as Reviewer at FTNCT 2025 International Conference->



The Department of Computer Science and Engineering is pleased to acknowledge the significant academic contribution of **Dr. Pankaj Kumar, who served as a Reviewer for the Eighth International Conference on Futuristic Trends in Networks and Computing Technologies (FTNCT'08).**

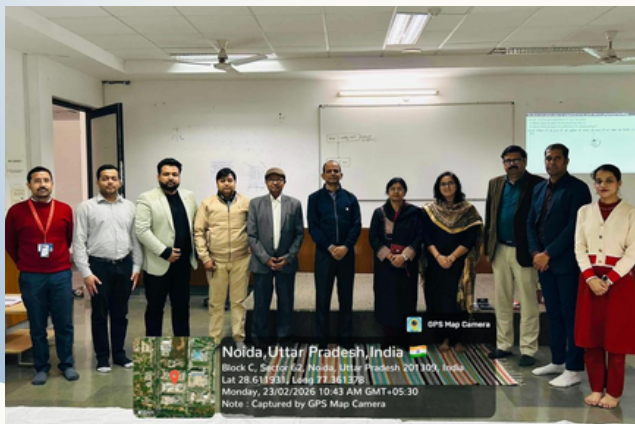
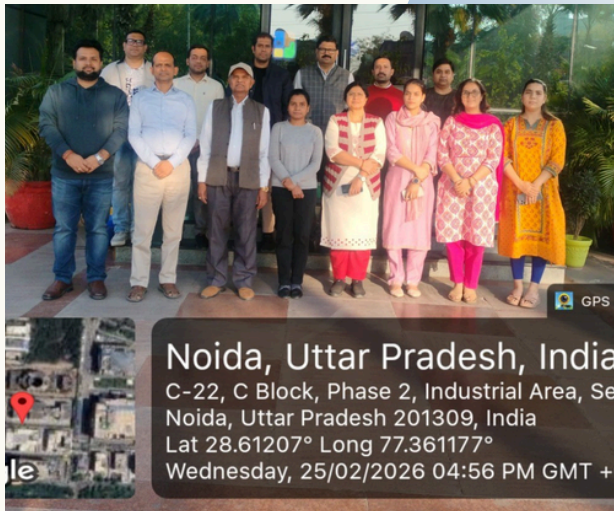
The prestigious conference was held from 18th to 20th December 2025 at **KIET Deemed to be University, Ghaziabad.**

The department sincerely appreciates and congratulates Dr. Pankaj Kumar for his dedication to research and for representing the institution in such a distinguished academic capacity.



Faculty Recognition

Professional Development: CSE Faculty Attend AICTE-Approved FDP at UP Institute of Design->



The Department of Computer Science and Engineering is proud to share that our faculty members, **Mr. Shikhar Prateek Pandey (Assistant Professor)** and **Mr. Sanjay Babu Jaiswal (Assistant Professor)**, actively participated in a **Three-Day AICTE Approved Faculty Development Program (FDP) on Universal Human Values (UHV)**.

The program was organized at the UP Institute of Design, Noida, from 23rd to 25th February 2026.

The active participation of our faculty in this AICTE-guided initiative reflects GL Bajaj's commitment to nurturing not just technically sound engineers, but ethically grounded and socially responsible citizens.

The department congratulates **Mr. Pandey and Mr. Jaiswal** for completing this enriching program and for their dedication to integrating these core values into the academic environment.



Faculty Recognition

Empowering the Future: Faculty Excellence in Generative & Agentic AI->

The Department of Computer Science and Engineering is pleased to acknowledge that **Mr. Shikhar Prateek Pandey** from **GL Bajaj Institute of Technology and Management** successfully completed a **6-Day National Level Faculty Development Program (FDP)** on **“Generative & Agentic AI – Tools & Demos.”**

The program was organized by the Department of CSE at **Sardar Vallabhbhai National Institute of Technology Surat**, technically co-sponsored by **IEEE Gujarat Section**, and partnered with **Pantech Solutions India Pvt. Ltd.**, during 16–21 February 2026.

The FDP provided valuable insights into modern **Generative AI** and **Agentic AI** tools, along with practical demonstrations and discussions on emerging applications of **Artificial Intelligence**.

The department congratulates **Mr. Shikhar Prateek Pandey** on this achievement and appreciates his dedication toward continuous learning and professional development in emerging AI domains.





Faculty Recognition

Faculty Contribution as a Technical Reviewer at ICSETI 2026->

The Department of Computer Science and Engineering is pleased to recognize the academic contribution of **Mr. Shikhar Prateek Pandey**, who served as a Reviewer for technical papers at the International Conference on Sustainable Engineering and Technology Innovations (ICSETI 2026), held on 5–6 February 2026.

The conference was organized by the Department of Electrical and Electronics Engineering at JSS Academy of Technical Education Noida.

The department congratulates Mr. Shikhar Prateek Pandey on this achievement and appreciates his valuable contribution toward promoting research excellence and scholarly collaboration in the field of sustainable engineering and technology innovations.





Faculty Recognition

Academic Excellence in Smart City Surveillance at IEEE Conference->



The Department of Computer Science and Engineering is pleased to announce that **Mr. Shikhar Prateek Pandey** contributed as an **Oral Presenter** at the **IEEE International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI-2026)**. The conference was hosted by **Gautam Buddha University, Greater Noida**, during **12–14 February 2026**.

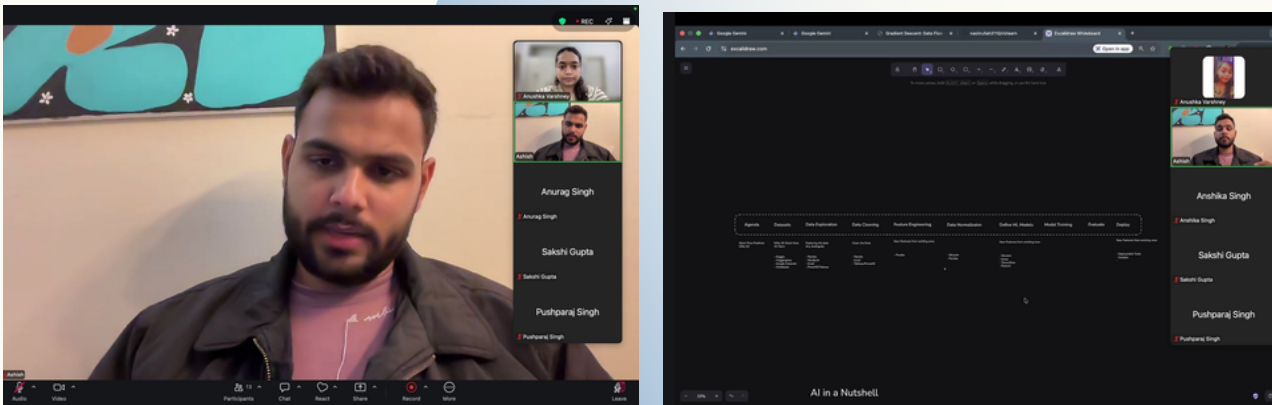
Mr. Pandey presented his research paper titled **“Towards Automated Traffic Law Enforcement: A Deep Learning Approach for Helmet Detection on Two-Wheelers.”**

The department congratulates **Mr. Shikhar Prateek Pandey** on this accomplishment and appreciates his continuous efforts in advancing research and representing the institution at prestigious international platforms. His dedication to academic excellence serves as an inspiration to both colleagues and students.



Event

Insightful Webinar on AI & Machine Learning Career Roadmap->



The Department of Computer Science and Engineering successfully organized a technical webinar titled **“Roadmap to a Career in AI & Machine Learning” on 18 February 2026 in collaboration with GeeksforGeeks**. The session was conducted online via Zoom and witnessed enthusiastic participation from over 100 students interested in exploring opportunities in Artificial Intelligence and Machine Learning.

The webinar was delivered by Ashish Jangra, Data Scientist at GeeksforGeeks, who provided a structured overview of the Machine Learning development lifecycle, including problem understanding, data exploration, data cleaning, feature engineering, model training, and evaluation.

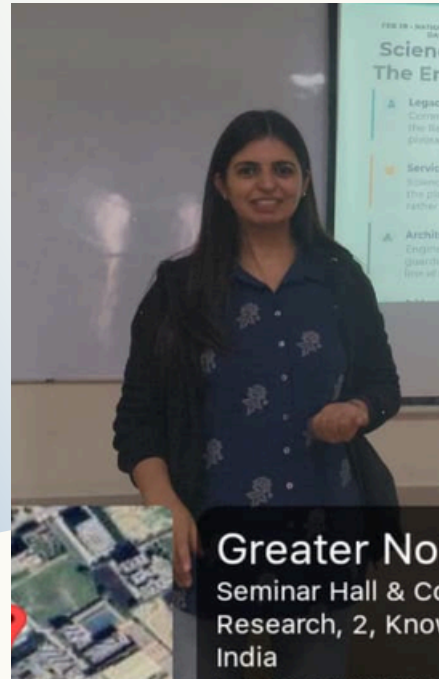
A key highlight of the session was the introduction to industry-relevant tools such as GitHub, Docker, Google Cloud Platform, and Google Cloud Run for deploying scalable machine learning applications.

The event proved to be an insightful learning experience, helping students gain clarity on the skills and tools required to build a successful career in AI and Machine Learning.



Event

Celebrating National Science Day ->



The Department of Computer Science and Engineering, in proud **collaboration with the Institution's Innovation Council (IIC)**, celebrated National Science Day at GL Bajaj Institute of Technology and Management.

The event served as a vibrant platform to honor the spirit of scientific inquiry and the landmark discovery of the Raman Effect.

The session featured **Dr. Sonal Gandhi, Assistant Professor in the Department of CSE, as the distinguished Resource Person**

The Department of CSE extends its gratitude to Dr. Sonal Gandhi for her enlightening session and congratulates all participants for making the National Science Day celebration a grand success. Such initiatives reinforce our commitment to building a future driven by logic, research, and innovation



Celebration

Holi Celebration->



The campus of the institute came alive with vibrant colors and festive enthusiasm during the celebration of Holi, the festival that symbolizes joy, unity, and the triumph of good over evil. Students, faculty members, and staff gathered together to celebrate the occasion with great excitement and positivity.

The celebration created an atmosphere of happiness and togetherness as participants enjoyed music, traditional sweets, and the joyful spirit of the festival. The event provided a wonderful opportunity for everyone to take a break from their academic routines and strengthen the bond within the campus community.

The celebration reflected the spirit of harmony, cultural richness, and unity that defines the institute. It was truly a memorable occasion that filled the campus with colors, laughter, and festive cheer.



Department

Welcoming Faculties Joining CSE Department

The Department of Computer Science and Engineering is delighted to welcome the newly joined faculty members to the department. Their academic expertise and professional experience will further strengthen the teaching and research environment of the department.



Nitika
Assistant Professor
Expertise in AI-powered
Deep Learning, and
Real-time Surveillance
Systems Development



Ayush Gupta
Assistant Professor
Data Science, Machine
Learning



Department

Welcoming Faculties Joining CSE Department



TANUSHREE
Assistant Professor
Computer Science &
Engineering Department
Machine Learning ,
Artificial Intelligence



Ms Shipra Singh
Assistant Professor
Artificial intelligence,
Deep Learning for
Medical Image Analysis



Department

Welcoming Faculties Joining CSE Department



**Mr. Pashupati
Baniya**
Assistant Professor
Networking,
Cybersecurity and
Blockchain



Bhuvnesh Malik
Assistant Professor
Cybersecurity, Privacy-
preserving systems,
Blockchain, Machine
Learning

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