

AUGUST
2025
ISSUE

THE NEWSLETTER

DEPARTMENT OF CSE

FIND
YOUR
SPARK





CONTENT



About

The Legacy Behind Excellence



Director's Message

Visionary Voice



HoD's Message

From the HoD's Desk



The Team

Editorial Crew



Achievements

Shining Highlights of GLBians & Faculty



Faculty Section

Behind the Chalkboard



Conferences & Seminars

Bridges Beyond



Events & Celebrations

Uniting Moments: A Glimpse into Technical, Cultural, NCC & More



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 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.

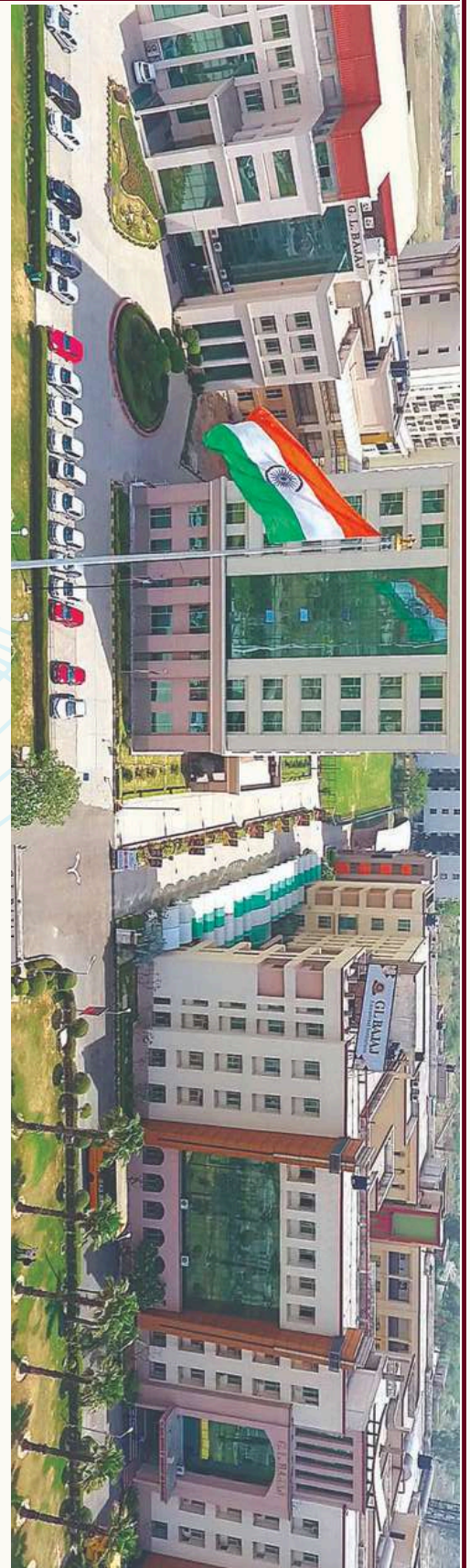
PEO 2 : Graduates will become successful software professionals with leadership and managerial quality in the modern software industry based on their strong skills on theoretical and practical foundation.

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

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.





VISIONARY VOICE

Message from the Director



Dr. Preeti Bajaj
Director, GLBITM

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



Dear Students, Faculty, and Well-Wishers,
Welcome to GL Bajaj Institute of Technology and Management — where academic excellence meets holistic development. We are committed to shaping future technocrats and leaders through quality education, character building, and innovative thinking. With state-of-the-art infrastructure, dedicated faculty, and a focus on both curriculum and co-curricular activities, GL Bajaj provides an ideal environment for learning and growth. Our efforts are geared toward creating professionals who are confident, competent, and ready for the global stage.

We continually evolve with emerging trends in technology and education, ensuring our students remain ahead of the curve. Regular seminars, workshops, and faculty development programs help us maintain a dynamic academic ecosystem.

Join us in our journey toward knowledge, innovation, and excellence.

Warm regards,

Dr. Preeti Bajaj
Director, GLBITM



From the Desk of the HOD – 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





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.



Their expertise and enthusiasm will strengthen our commitment to providing quality education, fostering innovation, and preparing our students for future challenges.

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

CONTENT WRITING TEAM



NAINSI MOTIYAN



SHUBHANJALI

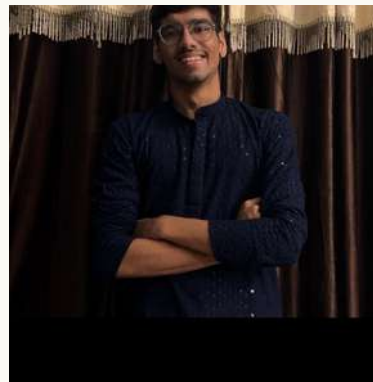


PRIYA GOEL

DESIGNING & FORMATTING TEAM



REHAN SHAMIM



PRATHAM SINGH



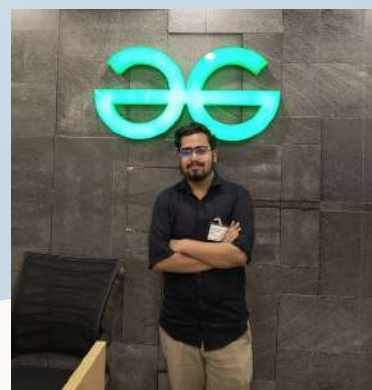
SHAMBHAVI SINGH

CREATIVE SECTION



MAHEK SINGHAL

MENTOR



**DIVYANK
BATHAM**



Academic Triumph: Our Student Abhishek Singh Excels at AKTU!

We are delighted to share a moment of pride for the CSE Department at GL Bajaj Institute of Technology and Management. Mr. Abhishek Singh, a dedicated and hardworking student of B.Tech – CSE (Batch 2021-25), has secured an outstanding 5th rank in the AKTU Merit List for the academic year 2024-25.

This remarkable achievement is a testament to Abhishek's perseverance, commitment, and passion for academic excellence. His success reflects not only his individual efforts but also the continuous guidance, support, and encouragement provided by our faculty and the institute.



Abhishek's accomplishment is an inspiration for his peers and reinforces the values of discipline, focus, and hard work. The CSE Department and the entire GLBITM family extend their heartfelt congratulations to him and wish him continued success in his future endeavors.

Let's celebrate this achievement and strive to aim higher in our academic and professional pursuits!

Congratulations, Abhishek!



Student Achievement

Placement Highlight->

Dev Priya Gupta, a brilliant mind from #B.Tech (CSE, Batch 2026), has bagged a **57 Lakh placement at meeshoapp**, one of India's top e-commerce platforms!

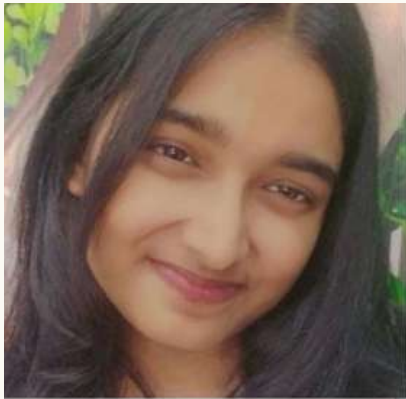
Her win came through # Scripted By Her - Women #Hackathon 2025, a national-level #coding challenge that saw 36,336 registrations from across India, narrowing down to just 40 finalists at Meesho HQ, Bengaluru, and finally, **3 winning teams, with Dev Priya among the champions!**



Piyush Kumar, an outstanding student of **Batch 2026** has secured placement at **Hike** at a dream package of **Rs. 42.59 Lac**.

Reflecting on his journey, Piyush said, "Looking back at my journey at GL Bajaj, I see a path filled with **growth, learning, and life-changing opportunities**. This institution taught me, and it boosted my potential, sharpened my skills, and guided me at every step. GL Bajaj has been the launchpad for my dreams, shaping me into the professional I am today and paving the way for this incredible career milestone."

Placement Highlight->



KRITIKA SINHA
CSE



We are delighted to share a proud moment for GL Bajaj Institute of Technology & Management!

Our brilliant student Kritika Sinha, from the Computer Science and Engineering Department, Batch of 2026, has achieved an outstanding milestone by securing a prestigious placement at JPMorgan Chase with a dream package of ₹19.75 LPA.

This remarkable accomplishment reflects her dedication, hard work, and perseverance throughout her academic journey. It is also a testament to the academic excellence, guidance, and continuous support provided by the faculty and mentors of GL Bajaj.

We take immense pride in celebrating the success of our students who continue to bring glory to the institute.

Heartiest congratulations, Kritika!

We wish you all the very best as you embark on this new professional journey and continue to inspire many more students to dream big and achieve even greater heights.

Expert Talk on “Value Proposition Fit” and “Business Fit”

Strategic Insights by Mr. Abhinay Chauhan

The Institution’s Innovation Council (IIC), in collaboration with the Department of Computer Science and Engineering, organized an expert talk on “Value Proposition Fit” and “Business Fit” by Mr. Abhinay Chauhan, a renowned professional in business strategy and innovation. The session was inaugurated with a welcome by **Dr. Sansar Singh Chauhan**, HOD-CSE, and coordinated successfully by Ms. Sonal Gandhi. Mr. Chauhan highlighted the importance of a strong value proposition, aligning business offerings with market demands, and sustaining startups through customer-centric and scalable strategies. The highly interactive session equipped students with practical insights into strategic thinking, market alignment, and entrepreneurial mindset, concluding with a lively Q&A. The department extends its gratitude to the speaker for sharing his valuable insights.



FDP on AI for Industry 4.0 at GL Bajaj

“Empowering Educators with AI: GL Bajaj Hosts FDP on Industry 4.0”



GL BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(Department of Computer Science & Engineering)

in Collaboration with
NITTTR, CHANDIGARH
is organising
FDP (ICT-44)
on
AI for Industry 4.0

CONVENOR:
Prof. (Dr.) Preeti Bajaj
Director
G. BITM, Gr. Noida

Prof. (Dr.) Sansar Singh Chauhan
HOD
Computer Science & Engineering,
GLBITM, Gr. Noida

FACULTY COORDINATORS:
Dr. Vrinda Sachdeva
Department of Science & Engineering,
GLBITM, Gr. Noida

Ms. Supriya
Department of Science & Engineering,
GLBITM, Gr. Noida

Date: 04th - 08th August, 2025 | Venue: Lab No. 05, Room No. 117, AB-1



The CSE Department at GL Bajaj, in collaboration with NITTTR Chandigarh, hosted an exciting One Week ICT-based Faculty Development Programme on “AI for Industry 4.0” from August 4th to 8th, 2025.

The week was packed with engaging sessions where experts from academia and industry shared real-world insights on AI, Machine Learning, IoT, and smart manufacturing. Participants explored how these technologies are shaping the future of Industry 4.0, with plenty of opportunities for questions, discussions, and hands-on learning.

Guided by our Director Prof. (Dr.) Preeti Bajaj and HoD Prof. (Dr.) Sansar Singh Chauhan, and coordinated by Dr. Vrinda Sachdeva and Ms. Supriya, the FDP brought together curious minds and passionate educators. The energy in the room was inspiring, and the feedback from participants was overwhelmingly positive.

It was more than just a training programme – it was a week of learning, sharing, and sparking ideas that will help shape future teaching and research at GL Bajaj.

GL Bajaj Inaugurates Centre of Excellence for AR/VR

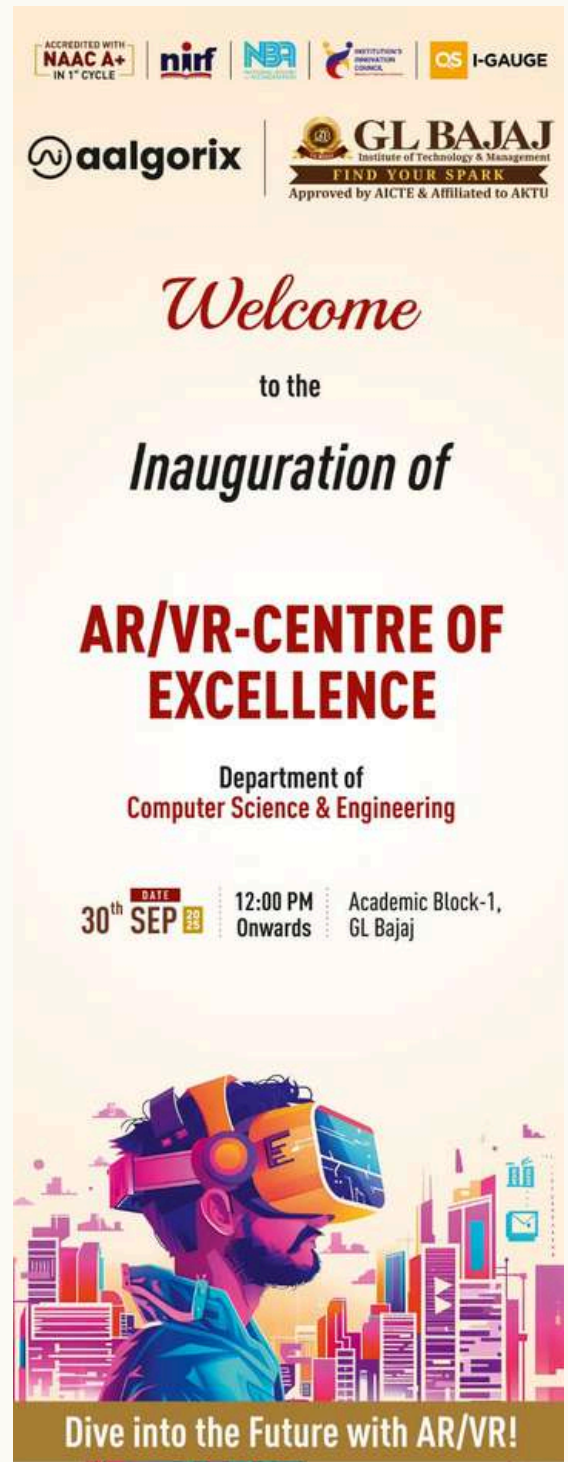
Pioneering Hub for Immersive Technologies Opens

The Department of Computer Science and Engineering at GL Bajaj Institute of Technology and Management has inaugurated its Centre of Excellence for **Augmented Reality and Virtual Reality (AR/VR)**, marking a significant milestone in fostering innovation, research, and industry-driven learning.

The Centre is envisioned to emerge as a nationally recognized hub for immersive technologies, where students and faculty can collaborate to achieve academic excellence and design industry-relevant solutions.

With state-of-the-art infrastructure and advanced AR/VR tools, the facility will enable hands-on learning experiences, preparing students to lead the digital transformation of tomorrow.

As part of its **Mission**, the Centre will organize training programs, workshops, and interdisciplinary research projects in diverse domains such as **education, healthcare, cultural heritage, and design.**



ACCREDITED WITH NAAC A+ IN 1st CYCLE | nirf | NBA | INSTITUTES INNOVATION COUNCIL | OS I-GAUGE

aalgorix | GL BAJAJ Institute of Technology & Management
FIND YOUR SPARK
Approved by AICTE & Affiliated to AKTU

Welcome
to the
Inauguration of
AR/VR-CENTRE OF EXCELLENCE

Department of
Computer Science & Engineering

DATE: 30th SEP 2023 | 12:00 PM Onwards | Academic Block-1, GL Bajaj

Dive into the Future with AR/VR!

GL Bajaj Inaugurates Centre of Excellence for AR/VR

A Landmark Step Towards Future-Ready Innovation

GL Bajaj Institute of Technology and Management inaugurated its Centre of Excellence for Augmented Reality and Virtual Reality (AR/VR), aimed at fostering innovation, research, and strong industry-academia collaboration. With cutting-edge infrastructure and immersive technology tools, the Centre will provide students with hands-on experience, interdisciplinary learning opportunities, and exposure to real-world applications. Supported by leading industry partners, this initiative is set to empower students as future-ready innovators, driving digital transformation across domains like education, healthcare, design, and cultural heritage.



Speaking on the occasion, “**Prof. Dr Sansar Singh Chauhan**”, Head of the Department of CSE, said:

“The Centre of Excellence in AR/VR will serve as a platform where innovation meets opportunity. It will empower our students with the latest immersive technologies, encourage them to solve real-world challenges, and inspire them to become leaders and entrepreneurs in the digital age.”

GL Bajaj Inaugurates Centre of Excellence for AR/VR

Glimpses



GL Bajaj's Centre of Excellence for AR/VR Receives Media Recognition

जी.एल.बजाज में अत्याधुनिक एआर/वीआर सेंटर ऑफ़ एक्सिलेंस का उद्घाटन



दुर्गम खबर-ग्रेटर नोएडा। जी.एल. बजाज इंस्टीट्यूट ऑफ़ टेक्नोलॉजी एंड मैनेजमेंट ने गर्वपूर्वक अपने अत्याधुनिक ऑगमेंटेड रियलिटी और वर्चुअल रियलिटी (AR/VR) सेंटर ऑफ़ एक्सिलेंस का उद्घाटन किया, जो नवाचार और उद्योग-आधारित शिक्षण को प्रोत्साहित करने की इसकी प्रतिबद्धता में एक महत्वपूर्ण मील का पत्थर है इस अवसर पर ThoughtWorks, LTIMindtree, Newgen, ServiceNow, Cisco Networking Academy, Ericsson, Palo Alto, Myntra, Coforge, Fidelity, Emerson और VVDN जैसी प्रतिष्ठित कंपनियों के गणमान्य अतिथि और वरिष्ठ अधिकारी उपस्थित रहे, जिसने उद्योग और अकादमिक जगत का एक अद्वितीय संगम प्रस्तुत किया। अड्डा 6 प्रशिक्षण भागीदार के रूप में उभरा है एआर/वीआर सेंटर ऑफ़ एक्सिलेंस को इस तरह से विकसित किया गया है कि यह विद्यार्थियों को इमर्सिव टेक्नोलॉजी में उन्नत कौशल प्रदान करे। यहां विद्यार्थियों को इंजीनियरिंग, हेल्थकेयर, मैनुफैक्चरिंग, ई-



आधारित इंफ्रास्ट्रक्चर के साथ यह लैब विद्यार्थियों को नवाचार के समाधान विकसित करने और तेजी से डिजिटल हो रही दुनिया में भविष्य की चुनौतियों के लिए तैयार करने में सक्षम बनाएगी इस अवसर पर जी.एल. बजाज एजुकेशनल इंस्टीट्यूट्स के वाइस चेयरमैन पंकज अग्रवाल ने कहा कि जी.एल. बजाज में हमारा विजन शिक्षा और उद्योग के बीच की खाई को पाटते हुए विद्यार्थियों को सबसे उन्नत लर्निंग इकोसिस्टम उपलब्ध कराना है। एआर/वीआर सेंटर ऑफ़ एक्सिलेंस केवल एक लैब नहीं है, बल्कि एक ऐसा प्लेटफॉर्म है जहां विचार और नवाचार एक साथ मिलते हैं। हमारे प्रतिष्ठित उद्योग साझेदारों के सहयोग से हम ऐसे भविष्य-तैयार प्रोफेशनल्स तैयार करना चाहते हैं जो तकनीकी परिवर्तन की अगली लहर का नेतृत्व करें। यह पहल जी.एल. बजाज की पहचान को एक ऐसे अग्रणी संस्थान के रूप में और भी मजबूत करती है जो अनुभवात्मक शिक्षा और उद्योग-अकादमिक सहयोग को बढ़ावा देता है, ताकि

जी.एल.बजाज इंस्टीट्यूट में, एआर/वी आर सेंटर-ऑफ़ एक्सिलेंस का उद्घाटन



हरिश उपाध्याय गैट्रॉप मैनेजर नेटवर्क

ग्रेटर नोएडा। जी.एल.बजाज इंस्टीट्यूट ऑफ़ टेक्नोलॉजी एंड मैनेजमेंट में, अत्याधुनिक ऑगमेंटेड रियलिटी और वर्चुअल रियलिटी सेंटर ऑफ़ एक्सिलेंस का आज उद्घाटन हुआ। नवाचार और उद्योग-आधारित शिक्षण को प्रोत्साहित करने की प्रतिबद्धता में एक महत्वपूर्ण मील का पत्थर साबित होना इस अवसर पर श्रेष्ठ चर्चा व एक्टिविटी माइस्ट्री और

भागीदार के रूप में, उभरा। एआर/वीआर सेंटर ऑफ़ एक्सिलेंस को इस तरह से विकसित किया गया है कि यह विद्यार्थियों को इमर्सिव टेक्नोलॉजी में, उन्नत कौशल प्रदान करे। छात्रों को इंजीनियरिंग व हेल्थकेयर, मैनुफैक्चरिंग, ई-कॉमर्स, सहायक सुरक्षा व प्रोडक्ट डिजाइन जैसे अनेक क्षेत्रों के वास्तविक अनुप्रयोगों का व्यावहारिक अनुभव मिलेगा। अत्याधुनिक उपकरणों और वैश्विक मानकों पर आधारित इंफ्रास्ट्रक्चर के साथ

शिक्षा व उद्योग के बीच की खाई को पाटते हुए, विद्यार्थियों को सबसे उन्नत लर्निंग इकोसिस्टम उपलब्ध कराना है एआर और वीआर सेंटर ऑफ़ एक्सिलेंस सिर्फ एक लैब नहीं है, बल्कि एक ऐसा प्लेटफॉर्म है, जहां विचार और नवाचार एक साथ मिलते हैं। प्रतिष्ठित उद्योग साझेदारों के सहयोग से, हम भविष्य के लिए ऐसे प्रोफेशनल्स तैयार करना चाहते हैं, जो कि तकनीकी परिवर्तन की अगली लहर का नेतृत्व करें। यह पहल जी.ओ

जी.एल.बजाज में अत्याधुनिक एआर/वीआर सेंटर ऑफ़ एक्सिलेंस का उद्घाटन



फ्यूचर लाइन टाईम्स

ग्रेटर नोएडा : जी.एल. बजाज इंस्टीट्यूट ऑफ़ टेक्नोलॉजी एंड मैनेजमेंट ने गर्वपूर्वक अपने अत्याधुनिक ऑगमेंटेड रियलिटी और वर्चुअल रियलिटी (AR/VR) सेंटर ऑफ़ एक्सिलेंस का उद्घाटन किया, जो नवाचार और उद्योग-आधारित शिक्षण को प्रोत्साहित करने की इसकी

Fidelity, Emerson और VVDN जैसी प्रतिष्ठित कंपनियों के गणमान्य अतिथि और वरिष्ठ अधिकारी उपस्थित रहे, जिसने उद्योग और अकादमिक जगत का एक अद्वितीय संगम प्रस्तुत किया। Algorix प्रशिक्षण भागीदार के रूप में उभरा है एआर/वीआर सेंटर ऑफ़ एक्सिलेंस को इस तरह से विकसित किया गया है कि यह



व्यावहारिक अनुभव मिलेगा। अत्याधुनिक उपकरणों और वैश्विक मानकों पर आधारित इंफ्रास्ट्रक्चर के साथ यह लैब विद्यार्थियों को नवाचार के समाधान विकसित करने और तेजी से डिजिटल हो रही दुनिया में भविष्य की चुनौतियों के लिए तैयार करने में सक्षम बनाएगी इस अवसर पर जी.एल. बजाज एजुकेशनल इंस्टीट्यूट्स के

केवल एक लैब नहीं है, बल्कि एक ऐसा प्लेटफॉर्म है जहां विचार और नवाचार एक साथ मिलते हैं। हमारे प्रतिष्ठित उद्योग साझेदारों के सहयोग से हम ऐसे भविष्य-तैयार प्रोफेशनल्स तैयार करना चाहते हैं जो तकनीकी परिवर्तन की अगली लहर का नेतृत्व करें। यह पहल जी.एल. बजाज की पहचान को एक ऐसे अग्रणी संस्थान के रूप में और

Alumni Visit – 2024 Batch

Welcoming Ms. Deepika Solanki

We were delighted to welcome back our proud alumna Ms. Deepika Solanki (B.Tech CSE, Batch of 2024) to the Department of Computer Science and Engineering. She is currently working as an Associate Product Security Engineer at Informatica.

During her visit, she met with our Head of Department, Dr. Sansar Singh Chauhan, and expressed her gratitude for the valuable guidance, knowledge, and learning opportunities provided during her academic journey.





Departmental Update Welcoming New Faculties

Welcoming Our New Faculty Members



Mrs. Kavitha R
Assistant Professor
DBMS, JAVA, .NET,
Web
Technology, SQL, LI
NIX etc.



Mrs. Nidhi Singh
Assistant
Professor
Database and
Computer Netwo
rk



Mr. Aman Agrawal
Assistant professor
Web designing and
development,
iOS development.



Mr. Nikhil Sharma
Assistant Professor
Blockchain, Machine Learning,
Internet of Things



Mrs. Eram Fatma
Assistant Professor
COA, Data structure,
DAA,
Operating system



PUBLICATIONS

- **Dr Nitin Tyagi, Dr Pushpa Singh** 2025 International Conference on Networks and Cryptology (NETCRYPT) 12 Aug 2025 Published in Conference A Predictive Fake News Detection Model Using Machine Learning
- **Shadab Sarfaraj, Dr Sansar Singh Chauhan, Dr Payal Garg** 2025 International Conference on Networks and Cryptology (NETCRYPT) 12 Aug 2025 Published in Conference Plasmodium Parasite Detection in Thin Blood Smear: Combining Yolo and Deep Learning Technique
- **Dr Vrinda Sachdeva,** 2025 International Conference on Networks and Cryptology (NETCRYPT) 12 Aug 2025 Published in Conference Ensemble Machine Learning for Anxiety, Depression, and Panic Attack Detection: A Stacking-Based Approach
- **Dr Nitin Tyagi;** 2025 International Conference on Networks and Cryptology (NETCRYPT) 12 Aug 2025 Published in Conference Enacting a Hybrid Ensemble Framework to Predict and Prevent Diabetes: Combining ANN, ETC, Random Forest, and Stack-CNN
- **Dr. Arun Kumar;** Patent Published (Patent No: 202511069912), 2025 – "IoT-Based Real-Time Monitoring and Control System for Enhanced Solar Panel Efficiency and Predictive Maintenance." The patent presents an IoT-enabled approach to improve solar panel performance through real-time monitoring and predictive maintenance.

www.glbitm.org



Plot No. 2, Knowledge Park-III, Greater Noida - 201306

