GL BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT

"Shaping Skills, Building Futures."

#September 2025

EDITION

Career Development Centre

NEWSLETTER

Career Development Centre

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Career Development Centre

ABOUT THE INSTITUTE

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

GL Bajaj Institute of Technology and Management, Greater Noida, is a premier institution affiliated with Dr. A.P.J. Abdul Kalam Technical University.

Renowned for its practical learning, innovation, and research, it offers modern infrastructure, expert faculty, and strong industry ties, ensuring excellent placements and holistic student development for career and societal contributions.

Message from Director, GLBITM

Dr. Preeti Bajaj

Welcome to GL Bajaj, a place where academics and co-curricular activities come together to shape future technocrats and business leaders. Guided by our vision, we aspire to be a premier hub for teaching, research, and innovation in Engineering and Technology, driven by our steadfast commitment to quality education and training.

At GL Bajaj, we nurture strength of character, confidence, technical excellence, and leadership in our students. This is made possible through our dedicated faculty, a world-class library, cutting-edge laboratories, and modern teaching methodologies that make learning dynamic, engaging, and effective. In an era of globalization and rapid technological change, we continuously evolve to equip our students with the skills and knowledge necessary to excel in an ever-competitive world.

Our strong academic track record and outstanding placement outcomes stand as proof of the diverse talents and achievements of our student community. Alongside academics, we emphasize faculty growth through development programs, seminars, workshops, and conferences, ensuring continuous progress for both students and educators.

I warmly welcome you to GL Bajaj, where your journey toward innovation, excellence, and lifelong success truly begins. Together, let us create a future filled with opportunities, growth, and achievements.

Message from Director, Director (Training & Placement)

Prof. Manju Khatri

At the Training & Placement Department of G.L. Bajaj Institute of Technology & Management, we take immense pride in being the connecting link between the academic journey of our students and their professional aspirations. Our constant endeavor is to nurture young talent, enhance their employability, and guide them toward rewarding career opportunities in today's dynamic global environment.

We believe that education attains its true value only when students are empowered to apply their knowledge and skills effectively in real-world scenarios. To this end, our department works relentlessly to bridge the gap between academia and industry by fostering collaborations, organizing corporate interactions, and facilitating internships and campus placements with leading organizations.

Through structured training in aptitude, communication, technical, and soft skills, we ensure our students are not only placement-ready but also industry-ready — equipped with confidence, professionalism, and a problem-solving mindset. Our dedicated team provides personalized mentoring, career counseling, and continuous support to help students make informed career choices aligned with their individual aspirations.

At G.L. Bajaj, we are committed to creating a win-win ecosystem — where students achieve excellence in their careers, and employers gain competent, ethical, and future-ready professionals. Together, we strive to build a generation that not only succeeds but also leads with integrity, innovation, and purpose.

Message from Dean CDC, GLBITM

Dr. V.R MISHRA

At the Career Development Centre (CDC) of G. L. Bajaj Institute of Technology and Management, our mission is to empower students with the right skills, knowledge, and confidence to excel in their professional journeys. We are committed to shaping future leaders by instilling qualities such as discipline, integrity, problem-solving ability, and lifelong learning.

The CDC serves as a bridge between academia and industry, preparing students for real-world challenges through focused training in Data Structures, Algorithms, Object-Oriented Programming, Networking, Databases, System Design, and coding problem-solving. Alongside technical mastery, we emphasize holistic development—enhancing communication, teamwork, and leadership skills to help students thrive in diverse professional environments.

By collaborating with leading recruiters, industry experts, and academic partners, we ensure our students are well-prepared to participate in various recruitment drives and seize opportunities that shape their careers. Our unwavering dedication to continuous improvement and innovation inspires us to deliver training programs that meet global standards and industry needs.

With this commitment, the Career Development Centre aims to be a trusted partner in students' journeys—nurturing not just employable graduates, but responsible professionals and changemakers who contribute positively to society. Together, we are creating a future where knowledge, skills, and values come together to build careers of excellence.

CDC TEAM

Dr. V R Mishra
Dean, CDC

Amit Pandey
Tech Expert

Horesh kumar
Tech Expert

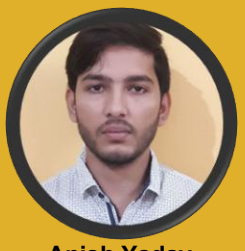
Neeraj Khanna
Tech Expert

Abhishek Tiwari
Tech Expert

Mohit Kumar
CCNA Expert

Anshuman Tiwari
Soft Skills Expert

Deepak Sirohi
Tech Expert



Anish Yadav
Tech Expert

Career Development Centre

DEPARTMENT OF CDC

The Career Development Centre (CDC) at G. L. Bajaj Institute of Technology and Management is committed to preparing students for successful professional careers. With a strong focus on industry readiness, CDC provides training in key technical areas such as Data Structures & Algorithms, Object-Oriented Programming, Networking, Databases (SQL), System Design, and Coding Problem Solving, complemented by hands-on projects that encourage innovation and practical learning.

Along with technical proficiency, CDC also nurtures communication, interpersonal, and analytical skills to ensure students are fully prepared for placement drives and diverse career paths. Through workshops, coding contests, mock interviews, and industry interactions, the Centre bridges the gap between academic learning and corporate expectations.

By collaborating with industry experts and recruiters, CDC designs training programs aligned with real-world needs. Its holistic approach aims to create not just employable graduates, but confident, ethical, and adaptable professionals ready to contribute effectively to the workforce and society.

CDC Activities

1. Training Orientation, Coordination & Industry Collaboration

The **Career Development Cell (CDC) Department** actively organized, coordinated, and executed multiple training and orientation programs aimed at enhancing student employability, technical competency, and industry readiness across various batches. The following initiatives were undertaken during the period:

Training Orientation and Batch Structuring

- Conducted a detailed **Swayam Batch Classification** to streamline student training programs based on learning levels and technical requirements.
- Implemented **G1, G2, and G3 Group Series Segregation** to ensure effective delivery of customized training modules for different student groups.
- Organized the **2027 and 2028 Batch Training Orientation Programs**, introducing students to the structure, objectives, and expectations of the CDC-led training curriculum.
- Initiated **BOP (Basics of Programming)** training Started for **First-Year students**, focusing on foundational C Programming.

Technical Module-Based Training Implementation

- Commenced **Module 0 Training** for **Second-Year students**, focusing on developing core programming skills, analytical reasoning, and aptitude building.
- Launched **Module 1 Training** for **Third-Year students**, emphasizing advanced technical concepts, coding practices, and placement-focused preparation.
- Started **CCNA Training** for students enrolled in the **Swayam Batch, ECE and EEE Batch**, under the **Cisco Center of Excellence**, emphasizing practical networking skills and fundamental concepts of computer networks.
- Initiated **Technical Training for the Swayam Batch** conducted by **External Trainer Mr. Kamal Rawat**, covering advanced software development practices, Java programming, and problem-solving methodologies.
- G1, G2 AND G3 DSA Training for third Year Training is Started.
- Commenced **Company-Specific Training** for **MCA Second-Year students**, focusing on domain-relevant technologies, aptitude, and interview-oriented preparation.

Industry Collaboration and Coordination Activities

- Communicated with the **Wipro TalentNext Team** regarding the **re-conduction of the 4 Milestone Assessment Test** for **Java Technology**, ensuring sustained collaboration and enabling students to participate in industry-aligned assessments.
- Collaborated with the **Neopat Team** to design and create **company-specific assessments** tailored to the skill requirements of various recruiters for MCA students.
- Coordinated closely with the **MCA Department** to ensure the **smooth execution of the training programs**, maintaining alignment between academic learning and industry expectations.
- Worked in collaboration with the **Training and Placement Department** during **company placement drives**, supporting operational execution, student scheduling, and assessment logistics for seamless placement experiences.

2. Industry Collaboration & Cisco Initiatives

Through the Cisco Center of Excellence, the department expanded its industry-based learning and certification ecosystem, promoting global skill standards among students.

- Initiated and conducted CCNA Training Sessions for ECE and EEE students, focusing on practical networking
- skills and core network concepts.
- Organized multiple Cisco Orientation Sessions for ME and EEE students, covering:
  - Python Programming
  - Cybersecurity Fundamentals
  - CCNA Essentials

  These sessions aimed to enhance technical awareness and career readiness
- Successfully **certified 200 students** under the Cisco–AICTE Virtual Internship Program, with participation from students across all four colleges of the GL Bajaj Group, thereby fostering industry-aligned skill development and cross-institutional collaboration.

Sample Certificate

3. Assessments & Evaluation Activities

The CDC Department ensured a comprehensive evaluation structure through internal assessments, mock tests, and interviews to monitor and enhance student readiness.

Degree	Course Name	Created At	Batch
MCA, B.tech	2026_Capgemini_Mock_02_Sep	2/9/2025	2026
B.tech	2027 Swayam Screening_2	5/9/2025	2027
B.tech	2027 Swayam Screening_1	5/9/2025	2027
B.tech	2027 Competency Mapping Test_16	6/9/2025	2027
B.tech	2027 Competency Mapping Test_17	6/9/2025	2027
MCA	Capgemini_Mock_Test 5	9/9/2025	2026
B.tech	2026_GLBITM_Unthinkable_Assessment_2	02/09/2025	2026
B.tech	2026_GLBITM_Custom_Test	03/09/2025	2026
MCA	2026_Capgemini_MCA_Assessment	09/09/2025	2026
B.tech	2027_ Screening_13 Sep	12/9/2025	2027
MCA	2026_GLBITM_MCA_Assessment_2	11/09/2025	2026
mca_eee	2026_Capgemni_ Mock test_Sep	12/09/2025	2026
ITM	2026_Capgemini_Test_MCA_ITM	12/09/2025	2026
CTM	2026_Capgemini_Test_MCA_CTM	12/09/2025	2026
ECE_C	2026_Capgemini_ECE	13/09/2025	2026
B.tech	2026_Capgemini_Test_13 Sep_E	13/09/2025	2026
MCA	2026_Capgemini_Test_15sep	15/09/2025	2026
B.tech	2026_LTIMindTree_Test	16/09/2025	2026
MCA, B.tech	Capgemini_Mock_Test_18 sep	18/09/2025	2026
B.tech	2027 Competency Mapping Test_18	18/09/2025	2027
MCA, B.tech	Capgemini_Mock_Test 19 Sep	19/09/2025	2026
B.tech	2025_September_NeoCodeathon Prelims	19/09/2025	2027
B.tech	2026_GLBITM_HashedIn	20/09/2025	2026
MCA, B.tech	Capgemini_Mock_Test_20 Sep	20/09/2025	2026
MCA, B.tech	Capgemini_Mock_Test_MCA_21 sep	21/09/2025	2026
MCA	2026_GLBITM_MCA_Technical Course	24/09/2025	2026
MCA	2026_GLBITM_CTM_Technical Course	25/09/2025	2026
B.tech	2026_Commvault_Mock_Test	26/09/2025	2026


13 Sept 2025 1:35:00 pm
28.4703054N 77.4908103E
Knowledge Park III
Greater Noida
Meerut Division
Uttar Pradesh


13 Sept 2025 1:29:26 pm
28.4707257N 77.4905659E
Knowledge Park II
Greater Noida
Meerut Division
Uttar Pradesh
Altitude:156.4msnm


TOM CAUDELL
JARON LANIER
30 Sept 2025 11:55:39 am
28.4720302N 77.4889471E
Knowledge Park III
Greater Noida
Meerut Division
Uttar Pradesh
Altitude:161.5msnm

Placement Wall

Student Achievements


GL BAJAJ
Congratulations
FOR BEING SELECTED AT
SAP
Rs. 9.87 Lac CTC
RIYA RAJ CS DS
HARSH VARDHAN SINGH CS AIML
SHUBHAM CHATURVEDI CSE
SHIVAM SONI CSE
SAMEER YADAV CS AIML


Congratulations
FOR BEING SELECTED AT
contevolve
Rs. 7 Lac Per Annum
DAKSH SAINI IT
DIVYANSH SINGH CSE AIML
KUSHAGRA DUBEY CSE AIML
MIMANSHA AGRAHARI CSE AIML
MITALI CSE DS
NAINSI VERMA CSE
SHIVANG GUPTA CSE
SUHANI SINGHAL CSE DS
TANVI YADAV IT


GL BAJAJ
CONGRATULATIONS
FOR BEING
SELECTED AT
CAELIUS CONSULTING
Rs. 12 Lac Per Annum
AKSHAT SHARMA CS AI
AANYA BAJETHA CSE


GL BAJAJ
Congratulations
FOR BEING
SELECTED AT
hike
PIYUSH KUMAR
B.Tech CSE
Rs. 42.52 Lac CTC


GL BAJAJ
CONGRATULATIONS
FOR BEING SELECTED AT
MAQ Software
Rs. 6 Lac Per Annum
ANAND MISHRA
CSE DS
ARYAN NEERAJ SAXENA
CSE DS
JONTY GUPTA
IT
SHIVAM SHARMA
CSE DS
UDIT SHARMA
IT


GL BAJAJ
Congratulations
FOR BEING SELECTED AT
UNO MINDA
Rs. 6.25 Lac CTC
AKASH
ECE
AMISHA SHARMA
ECE
EKANSH GOYAL
EEE
MUSKAAN MALHOTRA
ECE
MUSKAN RAI
ECE
PIYUSH KUMAR
EEE
RAKSHIT UPADHYAY
ECE
RAMEETA
ECE
YASH VERMA
Mech


RECORD BREAKING PLACEMENT
HIGHEST PACKAGE
Congratulations
FOR BEING SELECTED AT
meesho
Rs. 57 Lac CTC
Devi Priya Gupta
B.TECH (CSE)
BATCH 2026


GL BAJAJ
Congratulations
FOR BEING SELECTED AT
SIMPPLR
Rs. 10 Lac Per Annum
Prakhar Srivastava
CS AIML
Prashant Baghel
CSE
Rishabh Kumar Singh
IT
Diwanshu
CSE
Bashar Nawaz Ahmad
CSE DS
Dharya Choudhary
CSE
Khushi Singh
CSE
Divyansh Singh Bisen
CSE
Rishabh Mishra
CSE
Kshitij Dwivedi
CS AI
Prachi
CSE AIML


GL BAJAJ
Congratulations
FOR BEING SELECTED AT
epam
Rs. 8.4 Lac
Vanshika Mittal MCA
Riya Raj CS DS
Anushka Singh CSAIML
Naveen Gupta CSE
Sameer Yadav CSAIML
Shiv Kumar Tiwari CSAI
Vidhi Mittal CSAI
Adarsh Kumar CSE
Kanishk Kaushik IT
Shruti Kansal CSAI
Bhavinee Singh IT
Pragati Srivastava CSE
Aryan Bhardwaj CS DS
Uma Chaudhary CSE
Nandini Gupta IT


GL BAJAJ
Congratulations
FOR BEING SELECTED AT
tiket com
Rs. 7 LAC Per Annum
AKSHAT JOHRI CSE
HARSHITA DUBEY CSE DS
SHUBH SHARMA CSE AIML
VIDHI JINDAL CSE


GL BAJAJ
Congratulations
FOR BEING SELECTED AT
amazon
Rs. 46.3 Lac Per Annum
RITIKA
IT


GL BAJAJ
Congratulations
FOR BEING SELECTED AT
cisco
Rs. 98k Stipend Per Month
MISHTHI GOEL CSE AIML
KHUSHI BHATI CSE
HANEEN AJAZ CSE
VAIBHAV SRIVASTAVA CSE


GL BAJAJ
CONGRATULATIONS
FOR BEING SELECTED AT
paytm
Rs. 7.5 LAC per annum
ARSH CHAUDHARY
CSE AIML
PRIYANSHU TRIPATHI
IT
RANI SHARMA
CSE
RAUSHAN GUPTA
CSE DS
SUHANI GOEL
CSE AIML
VASHU YADAV
CSE
VISHAL SINGH
CSE AI


GL BAJAJ
CONGRATULATIONS
FOR BEING SELECTED AT
innovaccer
Rs. 6.5 Lac Per Annum
ABHINAV
ANIL PANDEY
CSE AI
AIMAD
SARWAR
AI & DS
MITALI JHA
CSE AI
SALVI GAIROLA
IT
UDIT SHARMA
IT


GL BAJAJ
CONGRATULATIONS
FOR BEING SELECTED AT
thoughtworks
Rs. 11.1 LAC CTC
Yash Mainwall
IT
Priya Singh
CSE AIML
Kanika Solanki
IT
Aditya Singh
CSE
Ujjwal Singh
CSE AIML
Ravikant Singh
CSE AIML
Tanishk Sharma
CSE AI


GL BAJAJ
CONGRATULATIONS
FOR BEING SELECTED AT
DotPe
Rs. 6 Lac CTC
ADITI GAUR
CSE
ADITYA MISHRA
IT
DIYA SATYAWALI
CSE AIML
KARTIKEYA SINGH
CSE
PIYUSH KUMAR
CSE
PRASHANT BAGHEL
CSE
RAJAT KHANDKA
IT
TUSHAR CHAUHAN
AI & DS
UTKARSH PANDEY
CSE AI


GL BAJAJ
CONGRATULATIONS
FOR BEING SELECTED AT
Razorpay
Rs. 15 Lac CTC
PIYUSH MITTAL
CSE

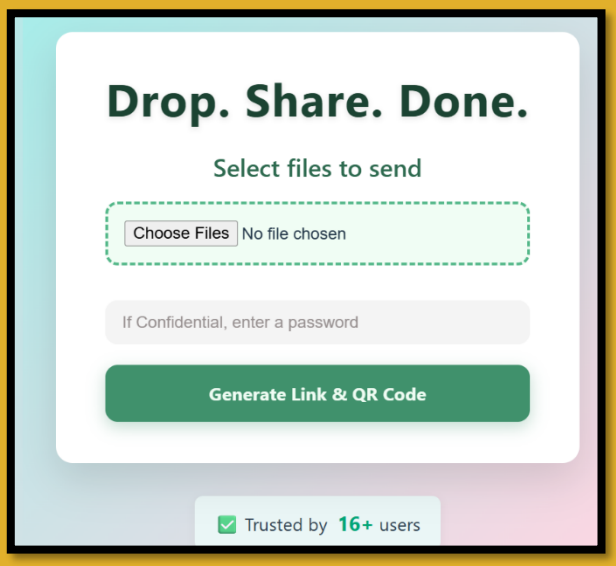

GL BAJAJ
CONGRATULATIONS
FOR BEING SELECTED AT
JPMorganChase
Rs. 19.75 Lac
Per Annum
KRITIKA SINHA
CSE
MANSI GOEL
CSE AI

Projects Related Achievements:

1. The project "**Integrated Multi-Sensor System with Edge-AI for Survivor Detection and Rescuer Guidance in Disaster Environments**" has been developed by Umang Raj, Chaitanya Tyagi, and Shruti Shukla, students of 3rd year, Computer Science and Engineering, under the guidance of Mr. Ravindra Kumar (CSE Department). The team collaboratively worked on designing and implementing an intelligent disaster response system. Umang Raj focused on hardware integration and sensor calibration, Chaitanya Tyagi handled the programming of the Arduino and ESP32-CAM for real-time data processing, and Shruti Shukla contributed to data analysis, system interfacing, and Edge-AI model implementation. Together, they developed a cost-effective and efficient prototype capable of detecting survivors and assisting rescuers in disaster-hit areas through multi-sensor fusion and live monitoring.

2. Akash Sinha (Roll No. 2301921520013) developed the project "**Classroom Allocation App**" under the mentorship of Abhishek Sir from the Career Development Cell (CDC) at GL Bajaj Institute of Technology and Management. The project introduces an automated classroom scheduling system built using the MERN stack (MongoDB, Express.js, React.js, Node.js). It efficiently manages classroom allocations across departments by considering factors like room capacity, class timings, and departmental requirements. The app features a smart backend algorithm that ensures conflict-free scheduling and quick adaptation to last-minute changes. With role-based access, real-time dashboards, and scalable architecture, it significantly reduces manual effort, errors, and confusion in academic planning. This innovative solution not only streamlines administrative operations but also demonstrates Akash's strong command of full-stack development and his ability to apply technology to solve real-world institutional challenges.

3. **Vivek (CSE Department)** developed the project **"Instant Share – Secure, Real-time, Anonymous File Sharing"**, a cutting-edge web-based platform designed for instant and secure file transfer without the need for registration or third-party intermediaries. Built using **React (frontend)**, **Node.js and Express (backend)**, and **WebSockets** for real-time communication, the system ensures **end-to-end encryption** with **AES-256-CBC** and dynamically generated IVs, guaranteeing complete data privacy. Users can share files instantly via **QR codes or direct links**, with optional password protection—ensuring that even the server cannot access file contents.



This solution stands out for combining **speed, security, and anonymity** in one seamless interface. In an academic context, it enables students and researchers to exchange large files securely and efficiently, eliminating dependence on external storage or email attachments. The project showcases Vivek's strong technical proficiency in full-stack and cryptographic implementation while addressing real-world needs for **secure, decentralized, and frictionless data sharing**.

4. The project **"Renewable Energy Monitoring System for Microgrid"** has been developed by **Umang Raj**, **Chaitanya Tyagi**, **Shruti Shukla**, **Unnati Kulshrestha**, **Dushyant Dubey**, and **Ujjwal Kumar** — all **3rd year CSE students**, under the mentorship of **Mr. Ravindra Kumar (CSE Department)**. The team designed a smart **IoT-based system** to monitor and manage renewable energy in rural microgrids. Using sensors like **INA219, MPU6050, DS18B20, BH1750, and DHT22** with **ESP32 microcontrollers**, the system tracks energy generation, storage, and environmental conditions in real-time. It automates load management through smart relays, ensures predictive maintenance, and provides security alerts via **PIR sensors and ESP32-CAM**. A dedicated mobile app and dashboard offer real-time insights for operators and households.

The project stands out for integrating **energy monitoring, automation, maintenance, and security** into a single affordable solution, improving microgrid efficiency and promoting sustainable energy usage in rural communities.

5. **U-Quiz** is an innovative **edtech platform** developed by **Team CodingNerds**, which transforms **YouTube lectures into interactive, quiz-based learning experiences**. The system automatically retrieves videos, extracts transcripts using **AssemblyAI speech-to-text**, and generates quizzes through **NLP models**, turning passive video learning into active engagement. Built with **Node.js, Express.js, and MongoDB** on the backend and a **responsive HTML, CSS, and JavaScript frontend**, it ensures secure access via **JWT authentication and Google OAuth**. U-Quiz incorporates **gamified elements** like points, progress tracking, and leaderboards to boost motivation and learning retention. By automating quiz creation, it saves teachers' time and enhances student participation. Scalable for integration with **Learning Management Systems (LMS)**, U-Quiz offers a powerful solution for modern education. The project's innovation and real-world impact earned **Team CodingNerds** the **Second Runner-Up position at SGU Hackathon 2025**.

6. The project **"JanAwaaz"** has been developed by **Shraddha Mishra**, **Alok Mishra**, **Aman Singh**, **Shivangi Malhotra** (IT Department), **Akshita Bajpai** (CS–AI & ML), and **Dhreyansh Jain** (CS–AI). It is an **AI-driven civic issue reporting and resolution platform** designed to strengthen communication between citizens and authorities through **technology, transparency, and accountability**. Built using **React.js, Node.js, and MongoDB**, and integrated with **Google Maps and Leaflet**, the system allows issue reporting via **mobile app, website, SMS, IVR, and WhatsApp**, ensuring inclusivity for all users. Using **AI/ML models (CNN-RNN, SVM, and BERT)**, JanAwaaz intelligently detects issue severity, filters duplicates, and prioritizes tasks. Its **dual-dashboard system** enables citizens to report and track issues while helping administrators monitor and resolve them with real-time analytics and heatmaps. With features like **privacy-first reporting, gamified incentives, and community validation**, JanAwaaz redefines civic engagement by making it **interactive, data-driven, and efficient**. Its **scalable and adaptive design** positions it as a powerful tool for **smart cities, institutions, and industries**, promoting **digital empowerment and participatory governance**.

FACULTY INNOVATION

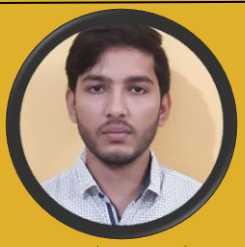
An Overview

Mr. Mohit Sharma

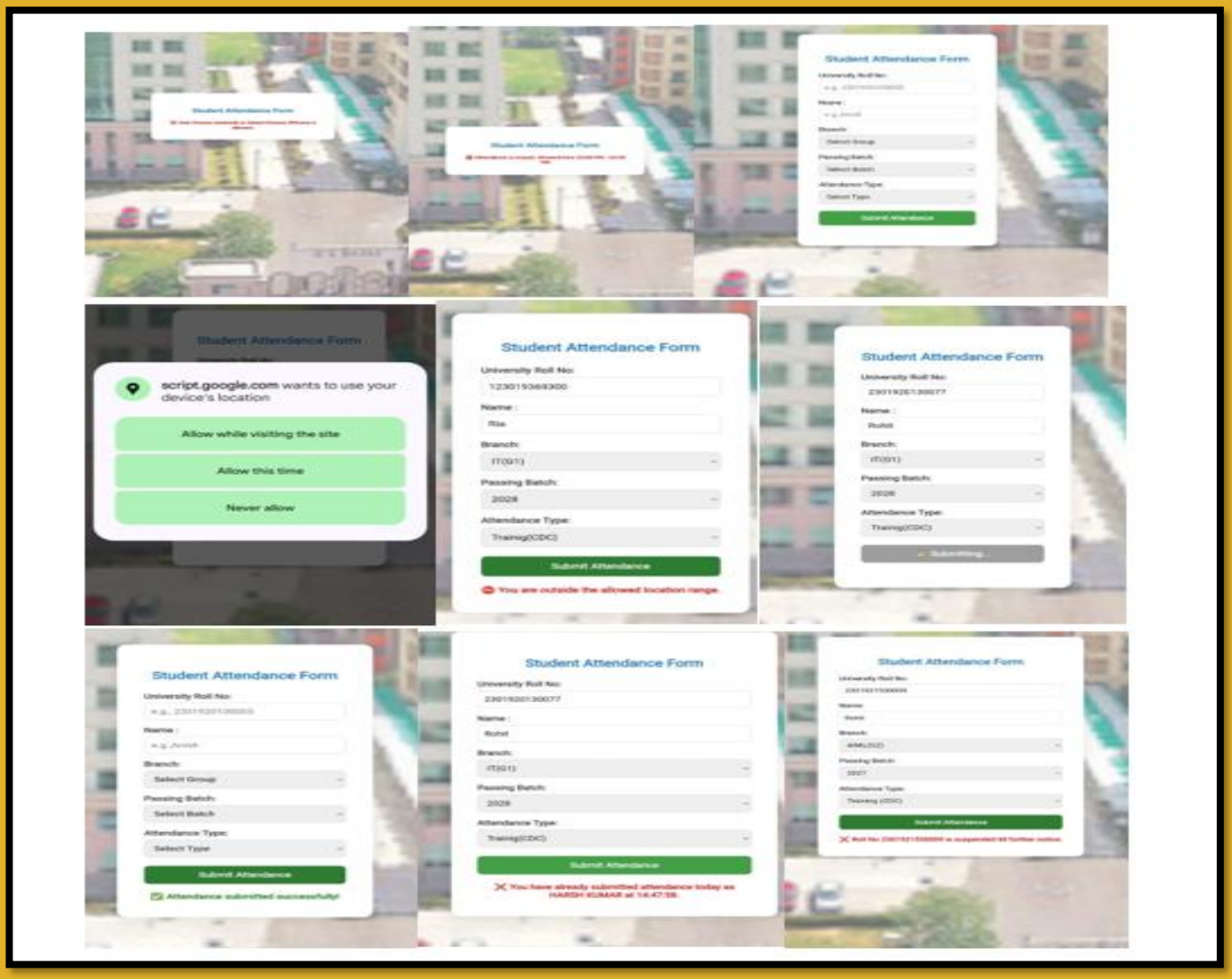
An Excel-based Student Report Card System has been developed, enabling students to simply enter their roll number and instantly fetch their current details, academic performance, coding progress, and attendance record. This smart solution streamlines information access, reduces manual effort, and helps students stay updated with their current status in real time.

Type your roll no.		2401924024	
In case of mismatched details, don't hesitate to get in touch with the Team CDC.			
Personal Information		**Training Group**	
Name		In Cycle - 1	
Father's Name		In Cycle - 2	
Branch		In Cycle - 3	
12th%		In Cycle - 4	
10th%		In Cycle - 5	
Mathematics		In Cycle - 6	
Coding Performance		**Attendance Record (%)**	
CMT-1_____		Category-1 (3rd Sem)	
CMT-2_____		Category-2 (4th Sem)	
CMT-3_____		Category-3 (Current-TT)	

Mr. Anish Yadav



Built **SAMS (Student Attendance Management System)** which ensures secure and genuine attendance submission. Its features include browser restriction (only Chrome on Android and Safari/Chrome on iOS are allowed), time window validation, and location-based access within the permitted distance. The system captures roll number, name, email, device fingerprint, and token at the time of submission, and marks attendance only if all conditions are satisfied. It also blocks duplicate entries by checking roll number, email, device ID, and token for the same day, and prevents attendance for suspended roll numbers, ensuring complete reliability.



Mr. Horesh Kumar

Faculty Development Program Participation: Mr. Horesh Kumar, Assistant Professor at G. L. Bajaj Institute of Technology and Management, Gautam Budh Nagar, successfully took part in a one-week Faculty Development Program on "Generative AI." The program, conducted by the Department of Computer Science and Engineering in collaboration with Intel, was held from 18th to 22nd August 2025 at G. L. Bajaj Institute of Technology and Management, Uttar Pradesh. The FDP offered comprehensive insights into Generative AI, enhancing faculty competence in advanced artificial intelligence applications and research-oriented learning.

Cert. No.: ICT-4003/25 AI4FWCOACH220825156

intel digital readiness

NATIONAL INSTITUTE OF
TECHNICAL TEACHERS TRAINING AND RESEARCH,
CHANDIGARH

CERTIFICATE

This is to certify that

HORESH KUMAR
G.L.BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT,
GAUTAM BUDH NAGAR,
UTTAR PRADESH

Participated in Faculty Development Programme
on
"GENERATIVE AI"
conducted by
Computer Science and Engineering Department
In Collaboration with Intel
from
18/08/2025 to 22/08/2025 (1 Week)

G.L.BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UTTAR PRADESH

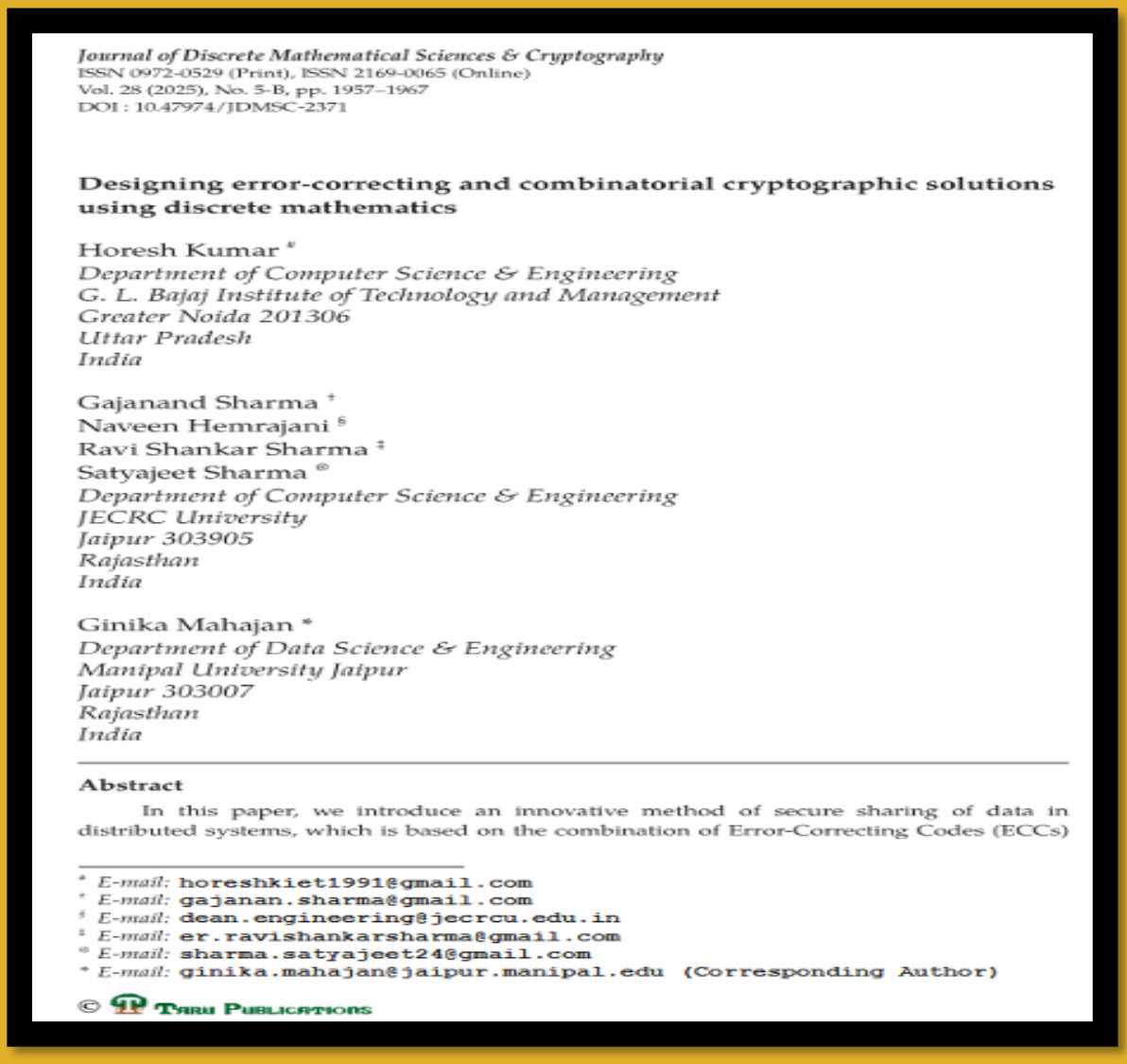
Prof. C. Rama Krishna
Course Coordinator
NITTTR, Chandigarh

Shweta Khurana
Senior Director, Asia Pacific & Japan,
Government Partnerships & Initiatives
International Government Affairs, Intel

Prof. (Dr.) B.R. Gurjar
Director
NITTTR, Chandigarh

Designing Error-Correcting and Combinatorial Cryptographic Solutions Using Discrete Mathematics

Mr. Horesh Kumar of the Department of CDC has published impactful research in the field of secure distributed systems, showcasing an innovative blend of mathematics and cryptography. Key highlights include Research Focus: Secure sharing of data in distributed systems using a novel combination of Error-Correcting Codes (ECCs) and combinatorial cryptographic algorithms. Innovation: Development of stronger ECCs integrated with pliant combinatorial structures to ensure robust information integrity and confidentiality in adversarial environments. Mathematical Foundations: Experimental Results: Applications: Secure and efficient communication in IoT systems, cloud networks, and adversarial environments requiring high reliability. Through this research, the department reinforces its vision of driving innovation, ensuring safety, and delivering impactful real-world solutions. Finite fields Combinatorial block designs Graph-theoretic models 20% improvement in ECC error correction. 15% reduction in cryptographic overhead. Maintains scalability and fault tolerance.



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Designing error-correcting and combinatorial cryptographic solutions using discrete mathematics

Horesh Kumar [a]
Department of Computer Science & Engineering
G. L. Bajaj Institute of Technology and Management
Greater Noida 201306
Uttar Pradesh
India

Gajanand Sharma [†]
Naveen Hemrajani [§]
Ravi Shankar Sharma [‡]
Satyajeet Sharma [∞]
Department of Computer Science & Engineering
JECRC University
Jaipur 303905
Rajasthan
India

Ginika Mahajan [*]
Department of Data Science & Engineering
Manipal University Jaipur
Jaipur 303007
Rajasthan
India

Abstract

In this paper, we introduce an innovative method of secure sharing of data in distributed systems, which is based on the combination of Error-Correcting Codes (ECCs)

[a] *E-mail:* horeshkiet1991@gmail.com
[†] *E-mail:* gajanan.sharma@gmail.com
[§] *E-mail:* dean.engineering@jecrcu.edu.in
[‡] *E-mail:* er.ravishankarsharma@gmail.com
[∞] *E-mail:* sharma.satyajeet24@gmail.com
[*] *E-mail:* ginika.mahajan@jaipur.manipal.edu (Corresponding Author)

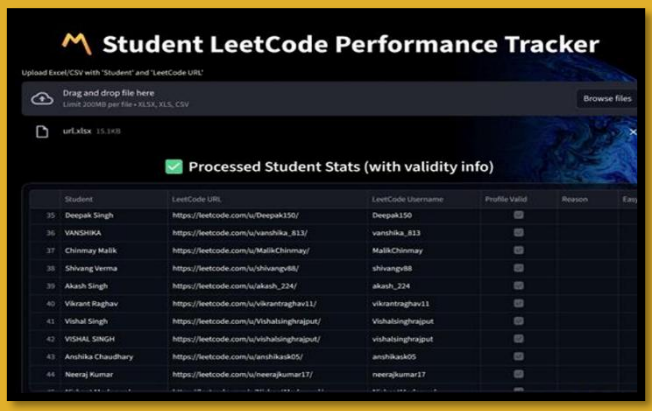
Mr. Abhishek Tiwari

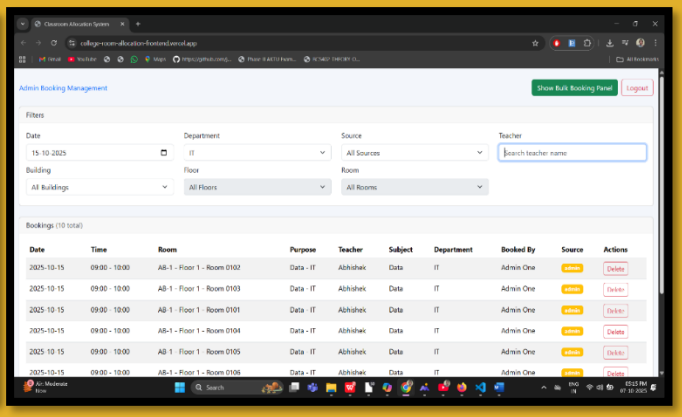
LeetCode Performance Tracker

The concept for this project was proposed by Mr. Abhishek, who provided continuous guidance and mentorship to a student throughout its development. The LeetCode Performance Tracker assists teachers in analyzing and visualizing students' progress and growth on competitive coding platforms, thereby enhancing performance evaluation and learning insights.

College Room Allocation System

Under the guidance of Mr. Abhishek, two students independently developed this project. The College Room Allocation System is designed to optimize classroom space utilization by offering real-time information about occupied and available classrooms. It also enables teachers and administrative staff to generate online requests for classroom bookings, thus improving the efficiency of institutional space management.





Heartfelt Gratitude from
The Career Development Centre (CDC) Newsletter Team

The CDC Newsletter Team extends heartfelt gratitude to everyone who played a part in making this edition a success. We sincerely thank the Career Development Centre for providing us with a platform to showcase its relentless efforts toward shaping students' professional journeys through focused training, expert guidance, and industry-oriented programs.

We express our deep appreciation to our respected Director, Prof. (Dr.) Preeti Bajaj; Director (Training & Placement), Prof. Manju Khatri; Dean–CDC, Dr. V. R. Mishra; and all the dedicated Training Experts whose constant support, vision, and encouragement have been the driving force behind this newsletter. Their unwavering commitment to student growth and excellence continues to inspire us.

This edition is a humble reflection of the collective spirit, dedication, and teamwork that define the Career Development Centre. We hope it offers readers a glimpse into the Centre's mission of empowering students to become confident, skilled, and industry-ready professionals.

With warm regards,
Editorial Team
Career Development Centre (CDC)
G. L. Bajaj Institute of Technology and Management