

JANUARY 2026

THE DEPARTMENT OF CSE-DS

ADYATAN

NEWSLETTER



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ABOUT THE INSTITUTION



GL Bajaj Institute of Technology and Management is one of the quality driven Educational Institute in the Greater Noida. GL Bajaj stands out as one of the best engineering and management college in UP & approach to assist and equip the students for their overall development, giving them a strong foundation for a successful future. The institute offers B.Tech, MBA and MCA programs.

This self financed institute is governed by Rajeev Memorial Academic Welfare Society (Registered Under Societies Registration Act 1860). It is approved by All India Council for Technical Education (AICTE), Ministry of Human Resource Development, Government of India and affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow.

The institute has been maintaining its positions amongst the top engineering and management colleges in AKTU university results. It has been maintaining the highest pass percentage amongst the engineering and Management colleges in Noida and Greater Noida

MESSAGE FROM HOD



“Education is the spark that ignites the fire of knowledge, illuminating the path to truth and understanding.”

The Department of Computer Science and Engineering (Data Science) continues to strive toward academic excellence, research innovation, and industry collaboration.

In an era where data drives decision-making across every sector, our curriculum is designed not only to equip students with technical proficiency in data science, machine learning, and artificial intelligence but also to foster critical thinking, ethical responsibility, and lifelong learning. We take pride in our students’ achievements in national and international competitions, research publications, and successful internships and placements.

Our faculty members remain at the forefront of cutting-edge research, working on interdisciplinary projects and contributing to both academia and industry. With continuous updates in curriculum, strong mentorship, and active student clubs and hackathons, we aim to create a vibrant and inclusive learning environment.

I invite all our stakeholders—students, alumni, faculty, and industry partners—to remain actively engaged with the department. Your support and participation are vital in our shared journey toward excellence.

Let us continue to learn, innovate, and grow together.

Dr. Harikesh Singh
HOD, CSE-DS

CSE-DS FACULTY MEMBERS



The Department of Computer Science and Engineering (Data Science) at GL Bajaj Institute of Technology and Management is home to a distinguished and dedicated team of faculty members who bring a perfect blend of academic expertise, research excellence, and industry experience. The faculty members are passionate educators who are committed to shaping the next generation of data scientists and innovators.

The department fosters a student-centric learning environment, where faculty members mentor, guide, and inspire students to excel academically and professionally. Their open-door policy and commitment to continuous learning ensure that students are supported at every step of their academic journey.

Together, the CSE (Data Science) faculty at GL Bajaj uphold the institute's vision of excellence, innovation, and holistic development.

EDITORS



HOD CSE-DS:

DR. HARIKESH SINGH

EDITOR:

MS. RACHNA SINGH SISODIA

EDITOR:

MS. PRIYA SINGH

MEMBER:

KUNAL SATI (CSE-DS 2, 3RD YEAR)

MEMBER:

VAISHNAVI VASHU (CSE-DS 5, 2ND YEAR)

ABOUT YUKTIKULA CLUB

DEPARTMENT OF CSE-DS



HEAD CHAIRS

FACULTY COORDINATORS

Ms. Rachna Singh Sisodia,
Ms. Priya Singh

PRESIDENT

Kunal Sati

VICE PRESIDENT

Ansh Kumar

SECRETARY

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In a rapidly globalizing world, it is essential to be prepared for evolving challenges. At GL Bajaj, we continuously monitor advancements in technology, science, and social trends to equip our students for the future.

With a strong record of academic excellence, hands-on industrial training, and active industry engagement, GL Bajaj ensures that its students are industry-ready. Our outstanding placement results highlight their technical expertise and leadership skills.

Committed to quality education, GLBITM promotes Faculty Development Programs, seminars, workshops, and conferences to keep our faculty and students at the forefront of innovation. Through vibrant initiatives like the Yuktikula club, we nurture creativity, innovation, and leadership beyond academics.

On behalf of GL Bajaj, we invite you to embark on a journey of growth, excellence, and opportunity with us.

FACULTY WALL

DR. VINTI GUPTA

(FACULTY RESEARCH PAPER PRESENTATION AND SESSION CHAIR AT INTERNATIONAL CONFERENCES)



The Department of Computer Science & Engineering (Data Science), G. L. Bajaj Institute of Technology and Management, Greater Noida, proudly acknowledges the distinguished academic contributions of Dr. Vinti Gupta at prestigious international conferences in December 2025.

Dr. Vinti Gupta successfully presented her research paper titled “Metabolism: Machine Learning for Better Diabetics Care” at the 2nd International Conference on Next-Generation Communication and Computing (NGCCOM-2025), held on 18–19 December 2025. The conference served as a global platform for researchers to share innovative ideas and advancements in communication, computing, and AI-driven technologies.

In addition, Dr. Vinti Gupta served as a Session Chair at the First International Conference on Intelligent Machine Processes and AI-Centric Technologies (IMPACT-2025), organized at Birla Institute of Technology, Mesra, Patna Campus, from 5–6 December 2025. Her role as Session Chair reflects her academic leadership and expertise in guiding technical discussions at an international forum.



FACULTY WALL

MS. RACHANA SINGH SISODIA

(CONTRIBUTION AS REVIEWER AT INTERNATIONAL CONFERENCE)

The Department proudly acknowledges Ms. Rachana Sisodia, G. L. Bajaj Institute of Technology and Management, Greater Noida, for her valuable contribution as a Reviewer at the 2nd International Conference on Advanced Computing & Emerging Technologies (ACET-2025), held on 21-22 November 2025.

Her role as a reviewer reflects her academic expertise and commitment to maintaining high research and publication standards. By critically evaluating research papers, she contributed to the quality and success of the conference, which was organized by the Department of Computer Science & Engineering, Ajay Kumar Garg Engineering College, Ghaziabad.

This achievement highlights the department's strong research culture and active faculty involvement in national and international academic forums.



FACULTY WALL

DR. RITUPARNA SARMA

(GUEST LECTURE UNDER NEEEV INITIATIVE)



Under the NEEEV (New Era of Entrepreneurial Ecosystem and Vision) initiative of the Government of Delhi, Dr. Rituparna was invited as a Guest Speaker on 20 December 2025 to deliver an insightful session titled “Artificial Intelligence & Entrepreneurship: Building Skills, Innovation & Future Careers.”

The session highlighted the fundamentals of Artificial Intelligence, its growing impact on entrepreneurial ventures, and the emerging career opportunities in AI-driven domains. Through practical examples and forward-looking perspectives, the talk emphasized the importance of future-ready skills, innovation, and problem-solving among students.

The event was graced by the Deputy Director of Education, Department of Education (DoE), Government of Delhi, and successfully aligned with the vision of the NEEEV initiative by fostering innovation-oriented thinking and entrepreneurial mindsets among learners.



FACULTY WALL

MS. NIDHI SHARMA

(CERTIFICATE OF ACADEMIC PARTICIPATION AND PROFESSIONAL DEVELOPMENT)

The Department proudly acknowledges Ms. Nidhi Sharma of G. L. Bajaj Institute of Technology and Management, Greater Noida for her participation and contribution to institutional academic and professional development initiatives. The certificate, issued under reference number GLBITM/RDC/FDP/2025/041, reflects her active involvement in activities aimed at fostering research orientation, skill enhancement, and academic excellence. This recognition highlights the department's continued commitment to encouraging faculty and student engagement in quality-driven educational programs.



FACULTY WALL

MS. SHWETA KUSHWAHA

(PARTICIPATION IN FACULTY DEVELOPMENT AND RESEARCH-ORIENTED INITIATIVE)



The Department is pleased to recognize Ms. Shweta Kushwaha of G. L. Bajaj Institute of Technology and Management, Greater Noida for her participation and contribution to institutional academic and professional development initiatives. The certificate, issued under reference number GLBITM/RDC/FDP/2025/023, reflects her active involvement in activities aimed at enhancing research orientation, professional skills, and academic excellence. This achievement underscores the department's continued commitment to encouraging faculty and student engagement in quality-driven educational and development programs



The Department proudly congratulates Ms. Ayasha Malik for her research contribution published in the IEEE Xplore Digital Library through the 2025 International Conference on Sustainability, Innovation & Technology (ICSIT 2025), held on 22-23 August 2025 at Nagpur, India.

Ms. Ayasha Malik is a co-author of the research paper titled “Unsupervised Learning Approaches for Online Purchase Prediction: A Performance Comparison.” The paper presents a comparative performance analysis of unsupervised machine learning techniques, including K-Means Clustering, Mean Shift, and Hierarchical Agglomerative Clustering, applied to online clickstream data for predicting consumer purchase behavior. The study highlights the effectiveness of K-Means Clustering, particularly when enhanced with hyperparameter tuning, in improving both internal and external evaluation metrics.



Conferences > 2025 International Conference...

Unsupervised Learning Approaches for Online Purchase Prediction: A Performance Comparison

Publisher: IEEE [Cite This](#) [PDF](#)

Veena Parihar ; Ayasha Malik ; Sapna Juneja ; Punit Gupta ; Reshma R [All Authors](#)

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Abstract

Abstract: With the advent of growing usage of internet globally, the volume of data is also increasing with similar rate. This trend has also revolutionized the way of purchase of customers from visiting physical stores to online purchase. Now a days, the web is full of consumers' data which can reflect the online behaviour of consumers. Thus, such impactful methods are needed that can effectively identify the behavioural patterns out this online consumers' data. The prediction of buying behavioural patterns is essential for taking decisions for e-commerce businesses for improving the customer experience and for taking necessary actions to provide customized recommendations for improving the overall revenue. The online clickstream data can be analysed to predict purchase patterns of consumers in advance rather than analyzing the static data. This paper aims to present insight from online shopping data and selection of best machine learning algorithm among various applicable techniques. The techniques considered here are unsupervised machine learning techniques such as k-Means Clustering (KMC), mean shift, Hierarchical Agglomerative Clustering (HAC) etc. with the application of hyperparameter tuning for improved performance. A comparative analysis is presented for all the algorithms among which the KMC has provided better results for internal evaluation as well as external validation in comparison with others. Experimental outcomes present that the application of hyperparameter tuning has also improves the scores of all the techniques.

Published in: 2025 International Conference on Sustainability, Innovation & Technology (ICSIT)

Document Sections

- I. Introduction
- II. Proposed Methodology and Experimental Setup
- III. Result Analysis
- IV. Conclusion

Authors

Figures

References

Keywords

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STUDENT'S ACHIEVEMENTS

PLACEMENT RECORDS



NAME : SONU KUMAR
COMPANY : MU SIGMA
BRANCH: AI&DS



MESSAGE FROM STUDENT

I'm truly grateful to my parents for their constant support and to my department and teachers for their invaluable guidance throughout this journey. I'm looking forward to learning, contributing, and growing through this experience.



NAME : KARTIK PARASHAR
COMPANY : MU SIGMA
BRANCH: CSDS



MESSAGE FROM STUDENT

I am incredibly grateful to the Training and Placement Cell for providing such a fantastic platform for our professional growth. My sincere thanks also go to my mentors and faculty for their invaluable guidance, and to my parents and friends for being my constant pillars of support and encouragement throughout this journey



NAME : PRIYA
COMPANY : MU SIGMA
BRANCH: AI&DS



MESSAGE FROM STUDENT

I would like to express my deepest gratitude to my parents for their unwavering love and constant support. I am also sincerely thankful to Training and placement cell and CSDS Department for their support and guidance. The knowledge, encouragement, and opportunities provided by the faculty have been instrumental in shaping my growth. I am deeply grateful to all my professors for their constant mentorship, which has equipped me with the skills and confidence to move forward in my career.

STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : VIDHI BAGHEL
COMPANY : GENPACT
BRANCH: CSDS

MESSAGE FROM STUDENT

I'm happy to share that I have been placed at Genpact as Technical Process Developer. This journey had its ups and downs, but the support from the faculty and the placement cell helped me stay on track throughout the process. The department played an important role in building my fundamentals and preparing me for interviews through regular classes, assignments, and guidance sessions. These experiences helped me improve both my technical skills and confidence.



NAME : SIDDHARTH TRIPAHTI
COMPANY : AIRTEL PAYMENTS BANK
BRANCH: CSDS



MESSAGE FROM STUDENT

I would like to express my sincere gratitude to GL Bajaj Institute of Technology and Management and the Training & Placement Cell for their unwavering support and guidance throughout my academic journey. I am especially thankful to Mr. Sunil Chourasia for his constant encouragement, dedicated efforts, and valuable guidance throughout the placement process. I also extend my heartfelt thanks to the faculty members for providing a strong foundation of technical and professional skills. Their collective support has played a significant role in my successful placement at Airtel Payments Bank. I am truly grateful to the institution for shaping my career and helping me achieve this important milestone.

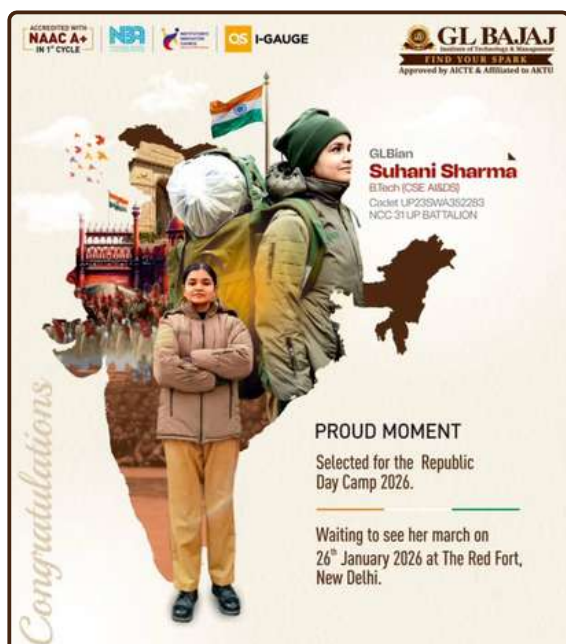
STUDENT'S ACHIEVEMENTS

BEST INNOVATION AWARD AT MEDHA 2025

The Department proudly congratulates Ms. Rina Nihalani for her outstanding achievement at MEDHA 2025 – Medical Device Hackathon (Stage 1), where she secured the Best Innovation Award. The hackathon was held from 7–8 October 2025 and was jointly organized by BETIC, IIT Bombay and G. L. Bajaj Institute of Technology and Management, Greater Noida. Her innovative solution demonstrated strong problem-solving ability, creativity, and a keen understanding of real-world medical and technological challenges. This achievement reflects her dedication, technical competence, and the department's continuous encouragement of innovation, research, and hands-on learning among students.



CADET SUHANI SHARMA SELECTED FOR THE REPUBLIC DAY CAMP (RDC) 2025–26.



The Department of CSE(DS) proudly congratulates Cadet Suhani Sharma on her esteemed selection for the Republic Day Camp (RDC) 2025–26. This remarkable achievement brings great pride to the institute, as she has been selected to represent the UP Directorate at the national level.

Her selection for RDC stands as a testament to her discipline, perseverance, and unwavering commitment to the ideals and values of the National Cadet Corps (NCC). Cadet Suhani Sharma will participate in the Republic Day Camp to be held at the New Delhi Cantt Garrison Parade Ground from 27 December 2025 to 29 January 2026. The department extends its heartfelt congratulations and best wishes to her for continued success and excellence.



YUKTIKULA CLUB
DEPARTMENT OF GSE-DS
wishes

Happy
**NEW
YEAR
2026**

*The past taught you. The future
awaits you. The present holds you.*

JANUARY 2026



GL BAJAJ

Institute of Technology & Management

FIND YOUR SPARK

Approved by AICTE & Affiliated to AKTU

THE DEPARTMENT OF CSE-DS

