

JAN-MAR 2026

DEPARTMENT OF CSE-DS

ADYATAN

NEWSLETTER



CONTENT

About the Institution	03
Message from Director	04
Message from H.O.D.	05
CSE-DS Faculty Members	06
Editors	07
About YUKTIKULA Club	08
Club Events	09
Faculty Wall	15
Students' Achievements	27

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 DIRECTOR



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

Welcome to G. L. Bajaj Institute of Technology and Management, where academic excellence and co-curricular engagement go hand in hand, shaping students into future technocrats and business leaders. The Institute is driven by a strong vision to emerge as one of the leading centres for teaching, research, and extension in the field of Engineering and Technology, through an unwavering commitment to quality education and skill-based training.

At GL Bajaj, we strive to nurture students with strong moral character, self-confidence, technical proficiency, and leadership qualities in management. We ensure effective delivery of the curriculum through dedicated and experienced faculty, a state-of-the-art library, well-equipped laboratories, and modern audio-visual learning facilities.

In today’s rapidly evolving world—marked by globalization and intense competition—the ability to adapt and innovate has become essential. Keeping this in view, the Institute continuously monitors advancements in technology, science, and society, proactively preparing students to meet emerging challenges.

GL Bajaj takes pride in its consistent record of academic excellence, complemented by hands-on industrial training and extensive industry–institute interaction. This integrated approach equips our students with practical exposure and professional competence, making them industry-ready. Our strong placement record stands as a testimony to the technical expertise, managerial capabilities, and versatile talents of our students.

As part of GLBITM’s enduring commitment to quality technical education, the Institute actively promotes Faculty Development Programs, seminars, workshops, and national and international conferences. These initiatives ensure that both faculty members and students remain updated with the latest developments in their respective fields.

On behalf of G. L. Bajaj Institute of Technology and Management, I warmly invite you to become a part of this lifelong partnership in learning, innovation, and excellence.

Dr. Manas Kumar Mishra
Director, GLBITM

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:

GURLEEN KAUR (CSE-DS 2, 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

Shanhavi Tiwari

EMAIL

yuktikula@glbitm.ac.in

WEBSITE

<https://www.yuktikulaglbajaj.com>

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.

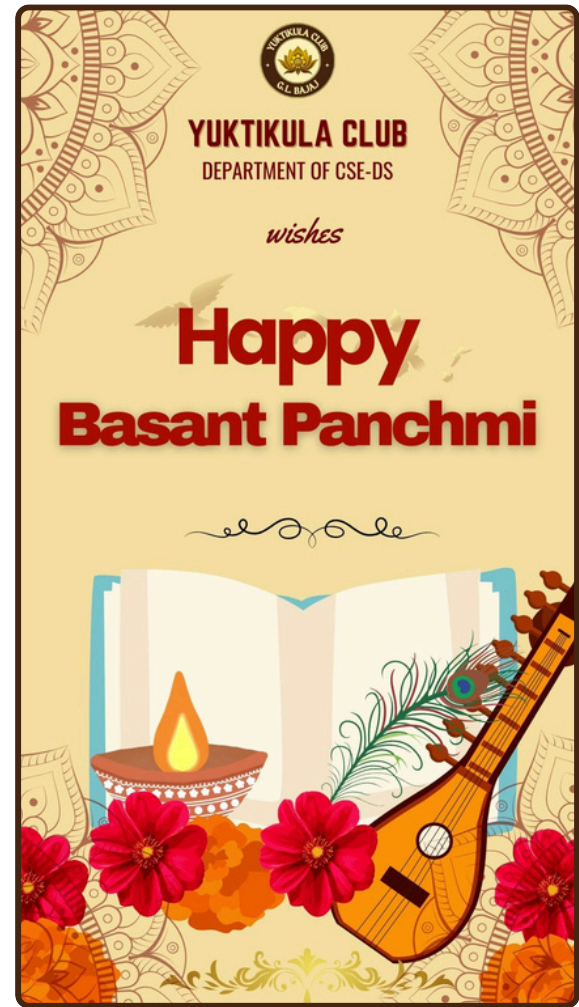
On behalf of GL Bajaj, we invite you to embark on a journey of growth, excellence, and opportunity with us.

CLUB EVENTS

BASANT PANCHAMI CELEBRATION

The Department celebrated Basant Panchami with great devotion, enthusiasm, and cultural spirit. Marking the arrival of spring and the festival dedicated to Goddess Saraswati, the deity of knowledge, wisdom, learning, and arts, the celebration reflected the department's commitment to academic excellence and spiritual values.

The event began with the traditional Saraswati Pooja, performed with full rituals and reverence. Faculty members, staff, and students gathered together to offer prayers, seeking the blessings of the Goddess for wisdom, creativity, clarity of thought, and success in all academic pursuits. The atmosphere was filled with positivity, devotion, and serenity as mantras and hymns resonated throughout the venue.



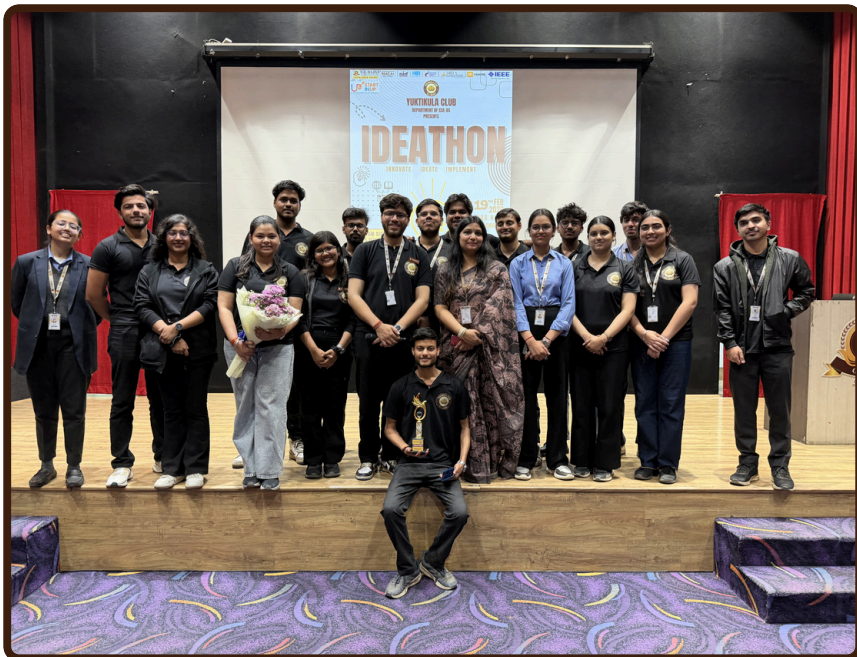
CLUB EVENTS

IDEATHON

The Department successfully organized IDEATHON 2026 with great enthusiasm and innovation-driven spirit. The event served as a platform for students to transform ideas into real-world solutions, reflecting the department's commitment to creativity, technical excellence, and problem-solving.

The ideathon began with an inspiring opening session attended by faculty, dignitaries, and students, followed by presentations of innovative ideas across various domains. Participants showcased strong technical skills, creativity, and practical thinking, which were appreciated by a distinguished panel of judges.

With active participation and a vibrant atmosphere, the event encouraged teamwork, critical thinking, and innovation. It concluded with the recognition of top teams, celebrating their impactful and solution-oriented ideas.



CLUB EVENTS

ONLINE SESSION ON NETWORK SECURITY (FIREWALLS) AND BUSINESS OPERATIONS

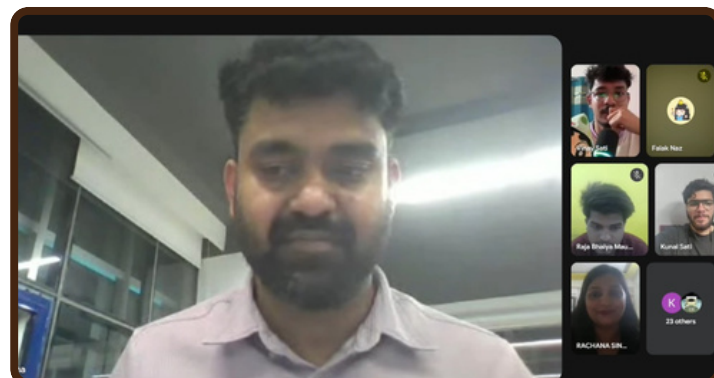
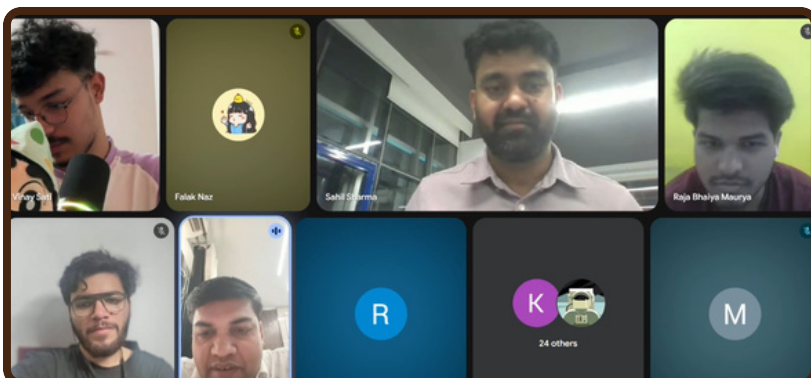
The Department successfully organized an online session on Network Security (Firewalls) and Business Operations, fostering a learning-driven and interactive environment for students. The session reflected the department's commitment to enhancing technical knowledge and industry readiness among students.

The event featured expert guidance by Mr. Sahil Sharma, who shared valuable real-world insights into networking concepts and business operations. Through live demonstrations and practical exposure to tools like Cisco Packet Tracer, students gained a deeper understanding of firewall configuration and network setup.

The session was highly engaging, with active student participation, discussions, and queries, creating a dynamic learning atmosphere. It also provided career-oriented guidance, motivating students to explore opportunities in cybersecurity and related domains.

Overall, the session proved to be informative and impactful, strengthening students' practical skills and confidence while promoting continuous learning and technical growth.

The poster is for an online session organized by the Yuktikula Club, Department of CSE-DS, in collaboration with the Alloytrik Community. The session is titled "ONLINE SESSION ON NETWORK SECURITY (FIREWALLS) AND BUSINESS OPERATIONS" and is presented by Mr. Sahil Sharma. The session will be held on 25 February, online, starting at 7 PM onwards. A QR code is provided for registration. The poster also lists the Faculty Co-ordinator as Rachana Singh Sisodia and the Vice President as Ansh Kumar. The Secretary is Shantavi Tiwari. The poster features logos for GL Bajaj, NAAC A+, NIRF, NIS, ARHA, I-GAUGE, and IEEE.



CLUB EVENTS

INDUSTRY INTERACTION SESSION ON CELONIS

The Department organized an Industry Interaction Session on Celonis, delivered by Ms. Poornima Dhall, providing students with valuable exposure to real-world industry practices. The session aimed to bridge the gap between academic learning and practical applications in the field of data-driven business processes.

During the session, students were introduced to Celonis and its role in process mining, along with insights into how organizations optimize operations using data analytics. The speaker shared practical knowledge, industry experiences, and career guidance, helping students understand current industry trends and opportunities.

The session was interactive and engaging, encouraging students to ask questions and explore real-world use cases. Overall, the event proved to be highly informative and enriching, enhancing students' understanding of industry tools and preparing them for future career opportunities.

The poster is for an event titled "INDUSTRY INTERACTION SESSION ON CELONIS" presented by YUKTIKULA CLUB, DEPARTMENT OF CSE-DS, in association with ICT ACADEMY. The speaker is Poornima Dhall, Lead Partner Manager at Celonis. The event is on 18 March at SBG Hall, starting at 1:30 PM onwards. A QR code is provided for updates. The poster also lists the session topics: Learn Process Mining Basics, Real Industry Use Cases, and Career Opportunities in Celonis.

YUKTIKULA CLUB
DEPARTMENT OF CSE-DS
IN ASSOCIATION WITH ICT ACADEMY
PRESENTS
**INDUSTRY INTERACTION SESSION
ON CELONIS**
With
POORNIMA DHALL
(LEAD PARTNER MANAGER, CELONIS)

18 MARCH | SBG HALL | 1:30 PM ONWARDS

JOIN FOR UPDATES

About the Session

- Learn Process Mining Basics
- Real Industry Use Cases
- Career Opportunities in Celonis



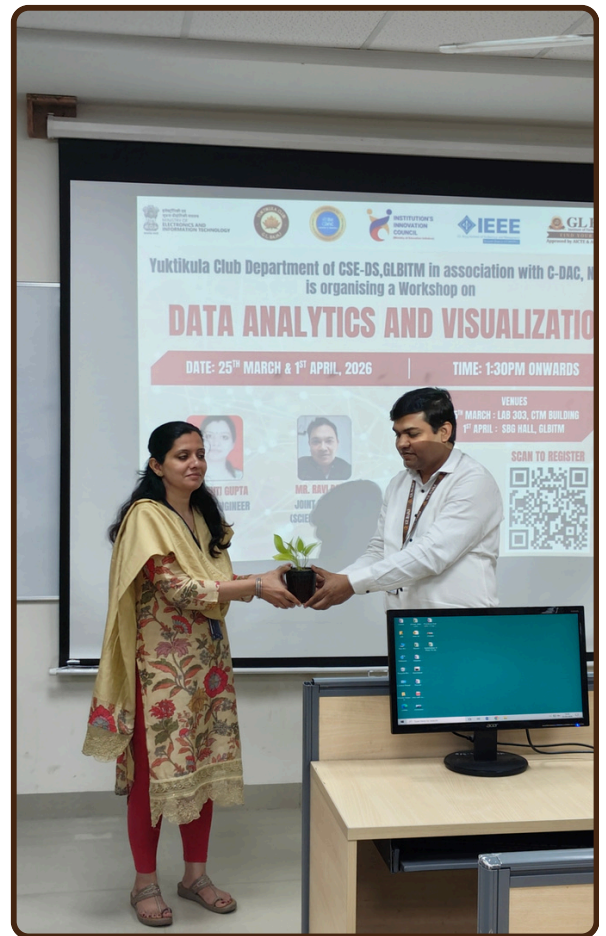
CLUB EVENTS

DATA ANALYTICS AND VISUALISATION WORKSHOP (DAY 1)

The Department successfully conducted a Data Analytics Training Program, fostering a practical and skill-oriented learning environment for students. The event reflected the department's commitment to enhancing analytical thinking, technical proficiency, and industry readiness among participants. The event started on 25.03.2026.

The training focused on key aspects of data analytics, including data preprocessing, exploratory data analysis (EDA), and Python-based tools such as NumPy and Pandas. Students gained hands-on experience in data cleaning, handling missing values, data transformation, and working with real datasets, strengthening their understanding of end-to-end analytics workflows.

The sessions were interactive and engaging, enabling students to explore practical concepts like data visualization, grouping, and dataset merging. This not only enhanced their technical skills but also provided valuable insights into real-world data-driven problem solving.



The poster features logos for C-DAC, IEEE, and GLBAJAL. The main text reads: "Yuktikula Club, GLBITM in association with C-DAC, Noida is organising a Workshop on DATA ANALYTICS AND VISUALIZATION". Below this, it states "DATE: 25TH MARCH & 1ST APRIL, 2026" and "TIME: 1:30PM ONWARDS". The venues are listed as "25TH MARCH : LAB 303, CTM BUILDING" and "1ST APRIL : SBG HALL, GLBITM". Two speakers are featured: "MS. SARUTI GUPTA, PROJECT ENGINEER, CDAC" and "MR. RAVI PAYAL, JOINT DIRECTOR (SCIENTIST E) CDAC". A QR code is provided for registration, with the text "SCAN TO REGISTER".



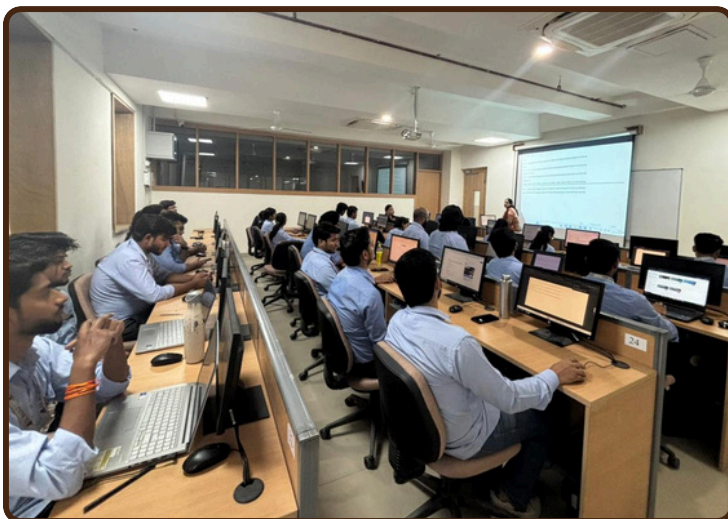
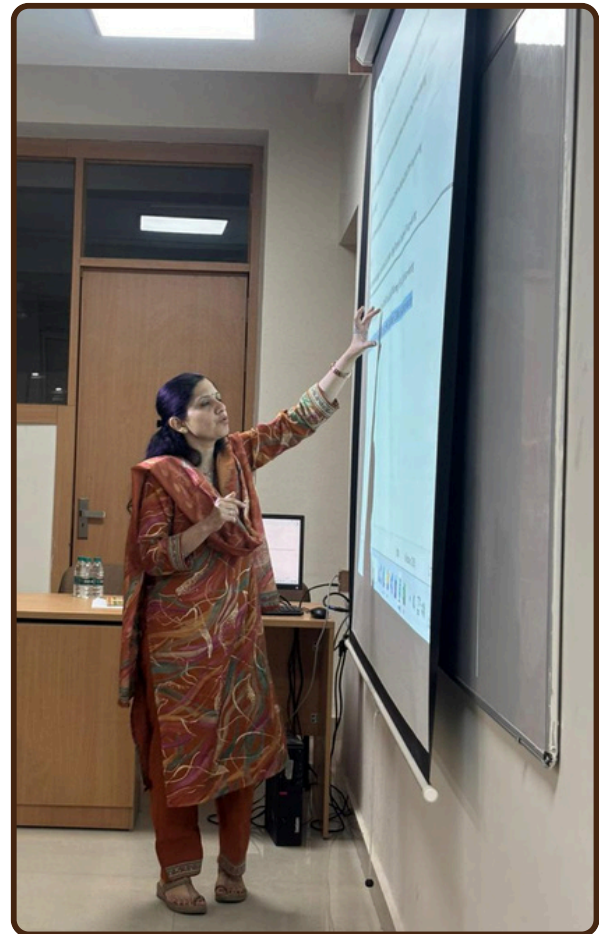
CLUB EVENTS

DATA ANALYTICS AND VISUALISATION WORKSHOP (DAY 2)

The second day of the Data Analytics and Visualization Workshop, conducted on 01 April, continued the learning process by strengthening the concepts introduced on Day 1. The session started with a quick recap, which helped students revise the basics of data analytics and understand the objectives for the day.

The main focus of Day 2 was on practical implementation using real-world datasets. Students performed data preprocessing tasks such as data cleaning, handling missing values, and transformation. They also explored exploratory data analysis (EDA) to identify patterns and trends. In addition, participants learned to create effective visualizations like bar graphs, line charts, and histograms using Python-based tools such as NumPy and Pandas.

The Day 2 session concluded on 01.04.26 and was interactive with guidance from instructors and active student participation. Overall, Day 2 improved practical knowledge and confidence in data analytics.





Dr. Harikesh Singh has contributed significantly to contemporary research in artificial intelligence through his conference paper titled “A Review on AI-Based Cognitive Systems for Digital Wellbeing,” presented at the National Conference on Computer Vision, Pattern Recognition, Image Processing, and Graphics (NCVPRIPG 2025) and published in the prestigious Springer CCIS series (Volume 2684). The paper explores the growing challenges of digital overuse associated with smartphones, social media, and online platforms, emphasizing their impact on mental health, productivity, and screen addiction. Dr. Singh’s work highlights the role of AI-driven cognitive systems in promoting digital well-being through personalized behavioral interventions, while also addressing key limitations in sustaining long-term behavior change. The study further underscores the importance of habit-formation theories, social support mechanisms, and ethical frameworks—particularly concerning privacy, data security, and user autonomy—offering valuable insights for the development of responsible and sustainable AI-based wellness solutions.

Home > Computer Vision, Pattern Recognition, Image Processing, and Graphics > Conference paper

A Review on AI-Based Cognitive Systems for Digital Wellbeing

Conference paper | First Online: 02 January 2026
pp 194–205 | [Cite this conference paper](#)



Computer Vision, Pattern Recognition, Image Processing, and Graphics (NCVPRIPG 2025)

Harikesh Singh, Mayank Ahuja, NetraPal Singh, Karthik Tamiliselvan, Amarjeet Singh & Prakar Gupta

Part of the book series: *Communications in Computer and Information Science* (CCIS, volume 2684))

Included in the following conference series:
National Conference on Computer Vision, Pattern Recognition, Image Processing, and Graphics

53 Accesses

Abstract

This review paper explores the intersection of digital well-being, AI-driven interventions, and user behaviour, highlighting the growing challenges of digital overuse in the context of smartphones, social media, and online platforms. As digital engagement increasingly prioritizes user attention, concerns around mental health, productivity, and screen addiction are amplified. The paper examines the potential of AI technologies in addressing these challenges, particularly through personalized interventions that monitor and optimize user behaviour. Despite promising results, current AI-driven wellness tools face limitations in sustaining long-term behaviour change. The review emphasizes the need for wellness applications grounded in habit formation theories and the inclusion of social support mechanisms. Ethical considerations, such as privacy, data security, and user autonomy, are discussed in the context of AI-driven self-diagnosis systems. The paper concludes by proposing future directions for developing AI systems that integrate advanced behaviour analytics and ethical frameworks, fostering healthier, more sustainable digital engagement.

Access this chapter

[Log in via an institution](#)

Subscribe and save

Springer+ from €37.37 /Month

- Starting from 10 chapters or articles per month
- Access and download chapters and articles from more than 300k books and 2,500 journals
- Cancel anytime

[View plans](#)

Buy Now

Chapter EUR 29.95
Price includes VAT (India)

- Available as PDF
- Read on any device
- Instant download
- Own it forever

[Buy Chapter](#)

eBook EUR 85.99

FACULTY WALL

DR. HARIKESH SINGH

(INTERNATIONAL CONFERENCE ON COMPUTING SCIENCES AND COMMUNICATION)

Dr. Harikesh Singh is highly appreciated for his outstanding contribution as a Session Chair at the International Conference on Computing, Sciences and Communications (ICCSC-2026). His expertise, leadership, and dedication greatly enriched the academic discussions and ensured the smooth conduct of technical sessions.

With a deep understanding of emerging technologies and a commitment to excellence, he effectively guided participants and encouraged meaningful knowledge exchange. His role significantly enhanced the quality and impact of the conference, reflecting his passion for advancing research and collaboration between academia and industry. This recognition is a testament to his professionalism and invaluable contributions.





Dr. Harikesh Singh's achievement as a reviewer at the 8th International Conference on Futuristic Trends in Networks and Computing Technologies reflects his strong academic expertise and commitment to research excellence. His involvement in the conference, held at KIET Group of Institutions, played a crucial role in upholding the quality and credibility of the research presented.

By carefully evaluating submissions and providing constructive feedback, he contributed to the selection of impactful and innovative work. His active participation demonstrates not only his subject knowledge but also his dedication to fostering scholarly growth and collaboration. Such contributions highlight his significant role in advancing the field of computing technologies and supporting the global research community.

FACULTY WALL

DR. HARIKESH SINGH

(IBM SKILLS BUILD PROGRAM)



The IBM Advanced IT Skills Training (Phase III) under the IBM SkillsBuild Program by ICT Academy was successfully organized at GL Bajaj Institute of Technology & Management, Greater Noida from 01 December 2025 to 04 December 2025. The training programme focused on strengthening students' capabilities in Artificial Intelligence, Azure AI Services, and modern industry-oriented technologies. The event held under the guidance of Dr. Harikesh Singh, Head of CSE(DS) department.

FACULTY WALL

MS. AYASHA MALIK

(ONE WEEK FACULTY DEVELOPMENT PROGRAMME COMPLETED)

Ms. Ayasha Malik's achievement reflects her strong commitment to academic excellence and professional growth. By successfully completing the One Week Faculty Development Programme on enabling teachers with AI tools and innovative approaches, she has demonstrated her willingness to adapt to evolving educational practices. Her enthusiasm for learning modern teaching methodologies highlights her forward-thinking mindset and dedication to effective teaching-learning processes.

This accomplishment not only enhances her personal skill set but also contributes positively to the academic environment of her institution. Ms. Malik's continuous efforts toward self-improvement serve as an inspiration to fellow educators and students alike, and her achievement is truly commendable.





Mr. Abhishek Satyarthi's successful completion of the 6-Day National Level Faculty Development Program on "Generative & Agentic AI - Tools & Demo's" reflects his strong commitment to continuous learning and professional growth. Organized by the Department of CSE at Sardar Vallabhbhai National Institute of Technology, with technical co-sponsorship from IEEE Gujarat Section and support from Pantech Solutions, this program provided valuable insights into emerging AI technologies. His active participation demonstrates his enthusiasm for staying updated with cutting-edge advancements and enhancing his technical expertise.

By engaging in such initiatives, he not only strengthens his own knowledge but also contributes to academic and professional excellence. This achievement highlights his dedication to innovation, adaptability, and lifelong learning in the rapidly evolving field of artificial intelligence and computing technologies.



FACULTY WALL

MS. RACHANA SINGH SISODIA



Mrs. Rachana Sisodia is highly appreciated for her valuable contribution as a reviewer at the 3rd International Conference on Advancements & Key Challenges in Green Energy and Computing (AKGEC 2026). Organized by the Department of Electrical & Electronics Engineering at Ajay Kumar Garg Engineering College, this conference brought together researchers and professionals from diverse fields.

Her role as a reviewer was instrumental in maintaining the quality and integrity of the research presented. Through her critical evaluation and insightful feedback, she contributed to promoting innovative and impactful work. Her involvement reflects a strong commitment to academic excellence, research advancement, and collaboration, making her contribution truly commendable and significant.



FACULTY WALL

MS. RACHANA SINGH SISODIA

The screenshot shows the IEEE Xplore article page for the paper "Vision Transformer Based Architecture for Hindi Image Captioning". The page includes the title, publisher (IEEE), a PDF icon, and a list of authors: Vishal Jayaswal, Sharma Ji, Eshank Jain, Rachana Singh Sisodia, Khushbu Malviya, and Pankaj Singh. The abstract section is highlighted, and the document sections are listed on the left. A sidebar on the right contains a "Need Full-Text" advertisement and a "More Like This" section with related article titles.

Conferences > 2025 2nd International Confer...
Vision Transformer Based Architecture for Hindi Image Captioning
Publisher: IEEE Cite This PDF
Vishal Jayaswal ; Sharma Ji ; Eshank Jain ; Rachana Singh Sisodia ; Khushbu Malviya ; Pankaj Singh All Authors
R < © > < > < >
Abstract
Document Sections
I. Introduction
II. Related Work
III. Datasets and Evaluation Metrics
IV. Proposed Methodology
V. Results and Discussions
Abstract:
Image captioning is the task of generating text descriptions for images. It connects computer vision with natural language processing. Most existing works focus on English captioning. Hindi image captioning has received limited attention. There is a lack of large-scale annotated Hindi datasets. We use the Flickr30k Hindi dataset for this work. It provides Hindi captions aligned with images. We design a new transformer-based model for this task. The model uses a Vision Transformer (ViT) as the encoder. The decoder is a transformer network for caption generation. We train and test the model on the Flickr30k Hindi dataset. Evaluation is done using BLEU-1 to BLEU-4 metrics. Our model shows comparative results on BLEU scores. It demonstrates the advantage of ViT for Hindi captioning. The system can be applied in assistive tools for the visually impaired.
Published in: 2025 2nd International Conference on Advanced Computing and Emerging Technologies (ACET)
Need Full-Text
access to IEEE Xplore for your organization?
CONTACT IEEE TO SUBSCRIBE >
More Like This
Transformer Machine Translation Model Incorporating Word Alignment Structure
IEEE Transactions on Consumer Electronics
Published: 2024
Preserving Sasak Dialectal Features in English to Sasak Machine Translation through Locked Tokenization w Feedback

Ms. Rachna Sisodia's publication titled "Vision Transformer Based Architecture for Hindi Image Captioning" in IEEE highlights her significant contribution to the field of artificial intelligence and natural language processing. Presented at the 2nd International Conference on Advanced Computing and Emerging Technologies (ACET 2025), her research focuses on developing an innovative transformer-based model for generating Hindi captions from images.

By utilizing Vision Transformer (ViT) architecture and evaluating performance through BLEU metrics, the work addresses the gap in Hindi language datasets. This achievement reflects her dedication to advancing inclusive AI technologies and enhancing accessibility, especially for applications supporting visually impaired individuals.

Ms. Nidhi Sharma's publication titled "Towards Accurate Sentiment Analysis in Customer Reviews: A Sarcasm-Aware Ensemble Framework" in IEEE marks a significant achievement in the field of machine learning and natural language processing. Collaborating with her co-authors, she contributed to developing an advanced sentiment analysis model that effectively handles sarcasm—one of the most challenging aspects of text interpretation.

By integrating traditional algorithms with modern transformer-based techniques, the research achieved impressive accuracy and performance. Her work demonstrates strong analytical skills, innovation, and a deep understanding of real-world applications in e-commerce and data analysis. This accomplishment highlights her dedication to research excellence and her valuable contribution to advancing intelligent text-processing systems.



Conferences > 2025 5th International Confer...

Towards Accurate Sentiment Analysis in Customer Reviews: A Sarcasm-Aware Ensemble Framework

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

[Reeta Mishra](#) ; [Kapil Kumar](#) ; [Bhavana Shrivastava](#) ; [Nidhi Sharma](#) All Authors

4 Full Text Views

[Abstract](#) **Abstract:** The analysis of user-generated reviews through sentiment methods stands vital for e-commerce businesses and consumer analysis and market tracking purposes. The analysis produces confusing results because linguistic elements like sarcasm can reverse the polarity of statements with sentiment. The research constructs a sentiment classification framework that unites traditional machine learning models

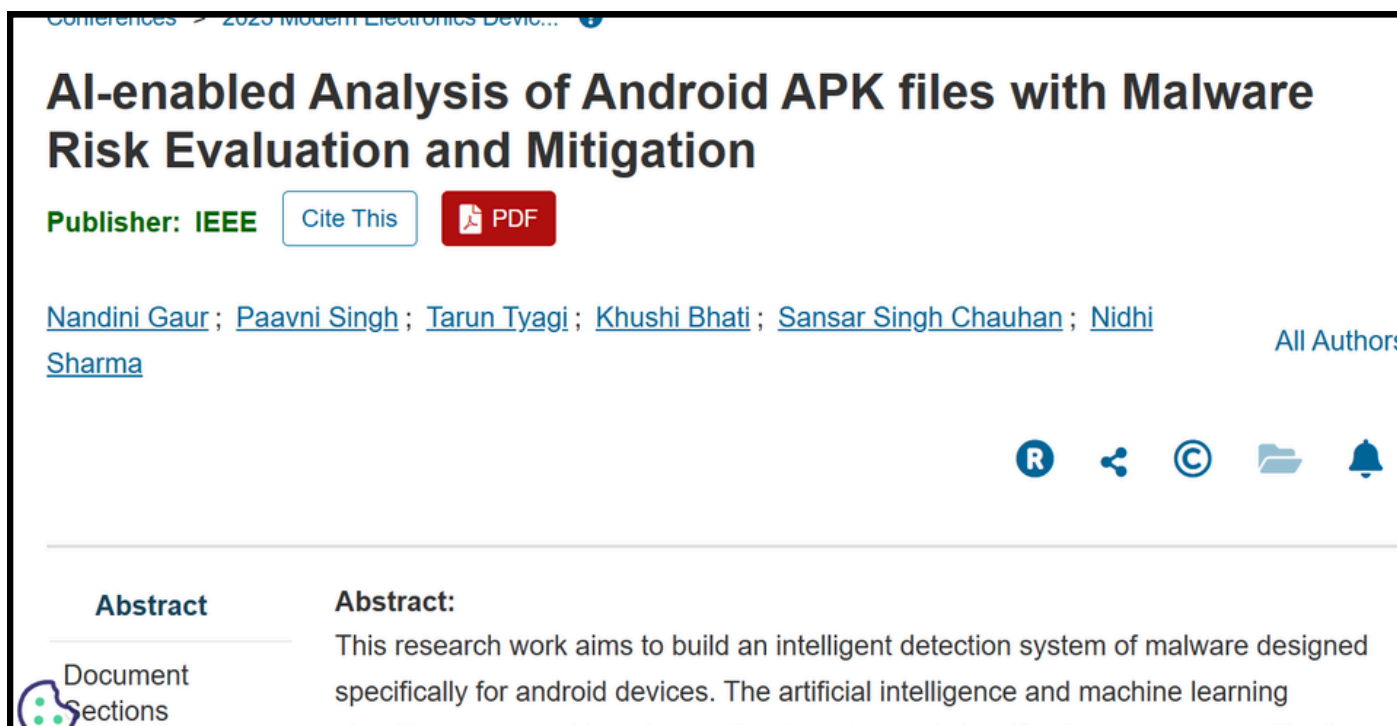
Document Sections

I. Introduction

Ms. Nidhi Sharma's publication titled "AI-enabled Analysis of Android APK Files with Malware Risk Evaluation and Mitigation" in IEEE reflects her strong contribution to the field of cybersecurity and artificial intelligence. In collaboration with her co-authors, she worked on developing an intelligent malware detection system specifically for Android applications.

The research integrates machine learning with bio-inspired techniques to accurately classify APK files as malicious or benign. By analyzing permissions, API calls, and hidden code patterns, the system ensures efficient and real-time threat detection.

This achievement highlights her technical expertise, innovative thinking, and dedication to creating secure and reliable mobile environments, contributing significantly to advancements in cybersecurity research.



Conferences > 2023 Modern Electronics Devic...

AI-enabled Analysis of Android APK files with Malware Risk Evaluation and Mitigation

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

[Nandini Gaur](#) ; [Paavni Singh](#) ; [Tarun Tyagi](#) ; [Khushi Bhati](#) ; [Sansar Singh Chauhan](#) ; [Nidhi Sharma](#) All Authors

[R](#) [Share](#) [©](#) [Folder](#) [Bell](#)

Abstract **Abstract:**
This research work aims to build an intelligent detection system of malware designed specifically for android devices. The artificial intelligence and machine learning

Document Sections

Ms. Yasha Istwal's publication titled "Heart Disease Detection and Classification Using a Tuned Soft-Voting Ensemble Approach" in IEEE represents a remarkable achievement in the field of healthcare and machine learning. Through this research, she contributed to developing an advanced predictive model that integrates powerful algorithms such as XGBoost, Random Forest, and Extra Trees to improve the accuracy of cardiovascular disease detection.

Achieving outstanding performance metrics, including high accuracy and ROC-AUC score, her work demonstrates both technical excellence and practical relevance. By identifying key clinical indicators, the study supports early diagnosis and informed decision-making. This accomplishment highlights her innovation, analytical expertise, and dedication to leveraging technology for impactful healthcare solutions.



Heart Disease Detection and Classification Using a Tuned Soft-Voting Ensemble Approach

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

[Priyanshi Agrawal](#) ; [Akshara Sharma](#) ; [Priyanshi Rajawat](#) ; [Yasha Istwal](#) All Authors

[R](#) [Share](#) [CC](#) [Folder](#) [Bell](#)

Abstract

Document Sections

- I. Introduction
- II. Literature Review
- III. Methodology
- IV. Results and Discussion
- V. Limitations

Show Full Outline ▾

Abstract:
Across the globe, cardiovascular conditions persist as a dominant factor responsible for a high number of deaths, emphasizing the importance of early and accurate diagnosis. This study proposes a ML architecture for CVD detection using a tuned soft-voting ensemble that integrates three highperforming models-XGBoost, Random Forest, and Extra Trees. The dataset, derived from the UCI Heart Disease repo, was preprocessed through feature encoding, normalization, and noise removal to ensure input quality. After hyperparameter tuning via GridSearchCV, the proposed ensemble achieved 95 % accuracy, 94.5 % precision, 95.2 % recall, and an ROCAUC of 0.98, outperforming individual base models. Feature importance analysis identified clinically relevant factors including visible ST-segment decline, peak heart rate performance, and lipid levels act as key signals. These findings underline the ensemble's reliability and interpretability, suggesting its potentially adapting the system so it can function within routine medical decision-aid technologies for early CVD detection.

Published in: [2025 2nd International Conference on Advanced Computing and Emerging Technologies \(ACET\)](#)

ACCREDITED WITH NAAC A+ IN 1st CYCLE | NBA | INSTITUTIONS INNOVATION COUNCIL | QS I-GAUGE | U⁺ START IN UP | GLBCRI | ni-ims | BUSINESS WORLD LEADING INSTITUTE | GL BAJAJ Institute of Technology & Management | FIND YOUR SPARK | Approved by AICTE & Affiliated to AKTU

BHARATIYA YUVA SHAKTI TRUST

in association with
GL Bajaj Institute of Technology & Management, Greater Noida
organizes
MENTOR DEVELOPMENT PROGRAM

21st FEB 2026 | **10:30 AM Onwards** | Room Number 114, First Floor, AB-2, GL Bajaj



Mentor Development Program was organised by GLBCRI in collaboration with Bharatiya Yuva Shakti Trust. In this session, the speakers discussed strengthening the bond between mentor and mentee. The faculty members Dr. Azhar Shadab, Ms. Rachana Singh Sisodia, Ms. Mani Shivhare, Ms. Sugandha Chakraverti, Mr. Abhishek Satyarthi have attended program from CSE(DS) department.



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : ARPITA OJHA

COMPANY : IBM

BRANCH: CSDS



MESSAGE FROM STUDENT

I sincerely thank G.L. Bajaj Institute of Technology & Management, the CSE-DS department, and faculty for their invaluable guidance and support throughout my academic journey. Their mentorship has significantly shaped my skills and professional outlook. As I transition to the next phase of my career, I am eager to apply my knowledge, embrace new challenges, and grow as a responsible professional. I will always be grateful to my institution and mentors for providing a strong foundation for my future.



NAME : SIDDHI TYAGI
COMPANY : ACCENTURE & IBM
BRANCH: CSDS

MESSAGE FROM STUDENT

Grateful to G.L. Bajaj Institute of Technology & Management, the CSE-DS department, and all faculty for their guidance and support. Special thanks to our HOD sir for helping me in my academic projects. Their mentorship shaped my skills and outlook, and I'm excited to carry these learnings forward into the next phase of my career.



NAME : SAMIKSHA SINHA
COMPANY : CAPGEMINI & DELOITTE
BRANCH: CSDS



MESSAGE FROM STUDENT

I'm grateful to share that I've been selected at Capgemini and Deloitte, something I'm truly thankful for. My journey started with an internship at Brainwave, where I learned, explored, made mistakes, and grew with every step. On my personal front, I love sketching, baking, and reading—the little things that give me peace and keep me balanced beyond work and studies. I'm thankful to everyone who supported me, guided me, and believed in me during this journey.

STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : SATVIK MISHRA
COMPANY : FAREYE TECHNOLOGIES PVT. LTD. - INDIA.
BRANCH: CSDS



NAME : SHOURYA SHARMA
COMPANY : CROWE
BRANCH: CSDS



NAME : ADARSH SHUKLA
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : JIGISHA BALIYANN
COMPANY : ACCENTURE
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : VASUDEV SRIVASTAVA
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : ARINJAY GAUTAM
COMPANY : ACCENTURE
BRANCH: AI&DS



NAME : SARTHAK AGARWAL
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : MANU TRIPATHI
COMPANY : ACCENTURE
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : TUSHAR CHAUHAN
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : TWARIT BANCHARYA
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : KARTIKEY SHARMA
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : MAYANK RAI
COMPANY : ACCENTURE
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : DHRUV SANGAL
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : SARASWATI VERMA
COMPANY : ACCENTURE
BRANCH: CSDS



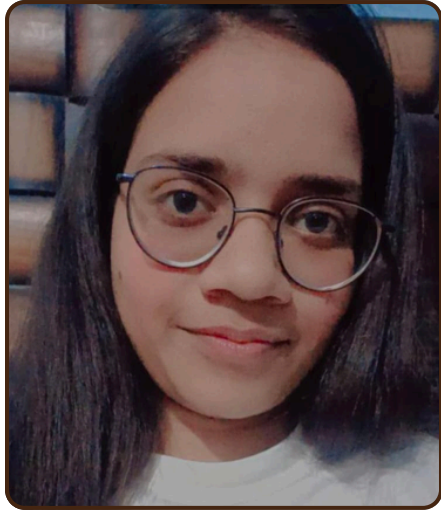
NAME : RAUSHAN RAJ GUPTA
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : MITALI
COMPANY : ACCENTURE
BRANCH: CSDS



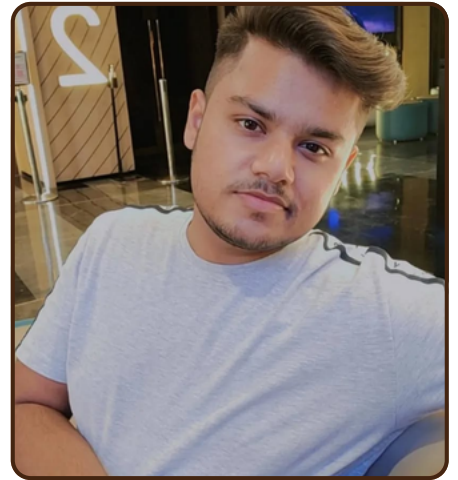
STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : SUHANI SINGHAL
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : DEEPAK SINGH
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : NITESH VISHWAKARMA
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : UJJWAL AMRIT
COMPANY : ACCENTURE
BRANCH: CSDS



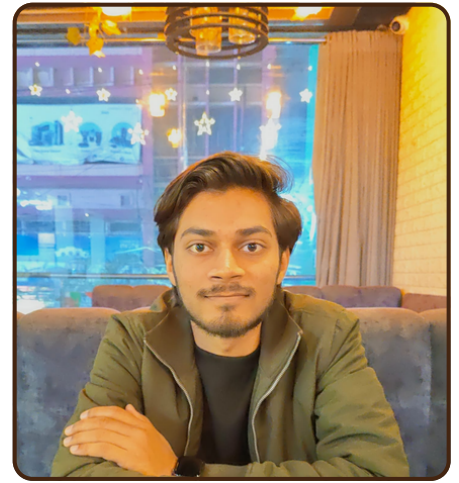
STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : PRATEEK YADUVANSHI
COMPANY : ACCENTURE
BRANCH: CSDS



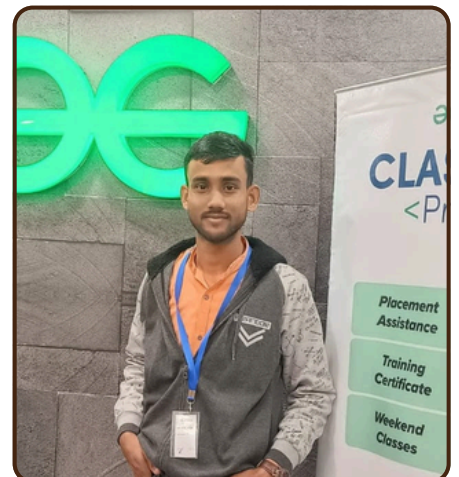
NAME : SURYANSHU SINGH
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : SAYED KHAN
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : RAJ SINGH
COMPANY : ACCENTURE
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : ISHA PANT
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : TANMAY SHARMA
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : KANIKSHKA SRIVASTAVA
COMPANY : CAPEGEMINI
BRANCH: CSDS



NAME : VANSHIKA CHOUDHARY
COMPANY : CAPGEMINI
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : SRISHTI
COMPANY : CAPGEMINI
BRANCH: CSDS



NAME : DIVYANSH SINGH
COMPANY : CAPGEMINI
BRANCH: CSDS



NAME : AISHWARYA JAIN
COMPANY : CAPEGEMINI
BRANCH: CSDS



NAME : PALAK MAHAJAN
COMPANY : CAPEGEMINI
BRANCH: AI&DS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : ANANY VERMA
COMPANY : CAPGEMINI
BRANCH: AIDS



NAME : SUBHRAT AGARWAL
COMPANY : CAPEGEMINI
BRANCH: CSDS



NAME : VIDUSHI TRIPATHI
COMPANY : CAPGEMINI
BRANCH: AIDS



NAME : NILAKSHI GAUR
COMPANY : CAPGEMINI
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : HARSHIT SHARMA
COMPANY : CAPGEMINI & LTIMINDTREE
BRANCH: CSDS



NAME : KRISHNA KANT YADAV
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : DEEPAK JAISWAL
COMPANY : ACCENTURE & CAPEGEMINI
BRANCH: CSDS



NAME : SAMEER BANARJEE
COMPANY : ACCENTURE & CAPEGEMINI
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME : HARI OM
COMPANY : ACCENTURE & HCL TECH
BRANCH: CSDS



NAME : DHARUV AGARWAL
COMPANY : ACCENTURE & HCL TECH
BRANCH: CSDS



NAME : HARPREET SINGH
COMPANY : CARE HEALTH INSURANCE LIMITED
BRANCH: AIDS



STUDENT'S ACHIEVEMENTS

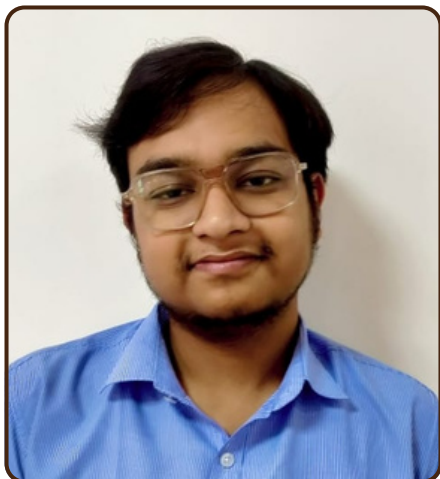
PLACEMENT RECORDS



NAME : UJJWAL AMRIT
COMPANY : ACCENTURE
BRANCH: CSDS



NAME : PRIYANSU SINGH
COMPANY : WINDMOLLER AND HOLSCHER
BRANCH: CSDS



NAME : PARTH GOEL
COMPANY : LTM AND COGNIZANT
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS

PLACEMENT RECORDS



NAME : UJJWAL CHAUHAN
COMPANY : COGNIZANT
BRANCH: CSDS



NAME : ARYAN TIWARI
COMPANY : WINDMOLLER AND HOLSCHER
BRANCH: CSDS



WINDMÖLLER & HÖLSCHER



NAME : SUBHRAT AGARWAL
COMPANY : COGNIZANT
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS

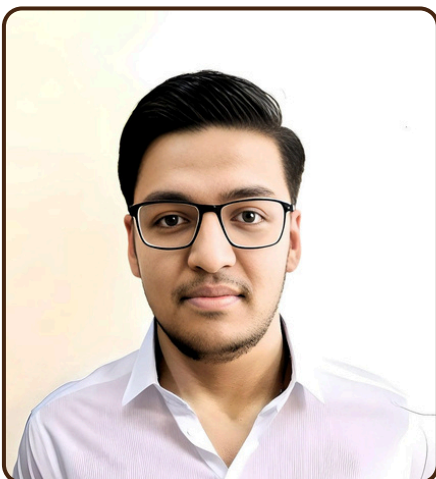
PLACEMENT RECORDS



NAME : KHUSHBOO DIXIT
COMPANY : AMDOCS
BRANCH: CSDS



NAME : RAJDEEP
COMPANY : PINNAXIS AND ESPIRE INFOLABS
BRANCH: CSDS



NAME : AMAN BANSAL
COMPANY : COGNIZANT
BRANCH: CSDS



STUDENT'S ACHIEVEMENTS PLACEMENT RECORDS



NAME :UJJWAL ANAND
COMPANY :GEMINI SOLUTIONS
BRANCH: CSDS



NAME :DAKSH
COMPANY :GEMINI SOLUTIONS
BRANCH: CSDS



NAME :SWARA MANSI SINHA
COMPANY :MORGAN STANLEY (INTERNSHIP)
BRANCH: CSDS

Morgan Stanley

STUDENT'S ACHIEVEMENTS

SPORTS



**THE FUTSAL TEAM(BOYS) OF CSDS DEPARTMENT
SECURED 2ND POSITION IN PARAKRAM -INTER
DEPARTMENT TOURNAMENT.**

TEAM MEMBERS

ABHINANDAN MAURYA (C)

AYUSH MISHRA

AYUSH ANAND

RACHIT

ABHIROOP CHANDRA

NITISH

SHREYAS BHUYAN

ANUKET SINGH



STUDENT'S ACHIEVEMENTS

SPORTS



**THE BASKETBALL TEAM(BOYS) OF CSE(DS)
DEPARTMENT SECURED 1ST POSITION IN PARAKRAM
-INTER DEPARTMENT TOURNAMENT.**

TEAM MEMBERS

AYUSH KUMAR PAL (C)
RANVIJAY TOMAR
ADITYA SHUKLA
SATVIK SINGH
ABHINAV YADAV
DILKASH GORKA
SAMRIDH TRIPATHI



STUDENT'S ACHIEVEMENTS

SPORTS



**THE BASKETBALL TEAM(GIRLS) OF CSE(DS)
DEPARTMENT SECURED 2ND POSITION IN PARAKRAM
-INTER DEPARTMENT TOURNAMENT.**

TEAM MEMBERS
SAISHA HANDA (C)
GURLEEN KAUR
LAVI PANWAR
DEEPA YADAV
SAKSHI GUPTA

STUDENT'S ACHIEVEMENTS

SPORTS



**THE BADMINTON TEAM(BOYS) OF CSE(DS)
DEPARTMENT SECURED 3RD POSITION IN PARAKRAM
-INTER DEPARTMENT TOURNAMENT.**

**TEAM MEMBERS
VEDANSH JHA(C)
ARPIT CHAURASIYA
SHRESTH GUPTA
SIDDHARTHA**

ACHIEVEMENTS AT DRONE TRAINING CAMP 2026



लखनऊ में ड्रोन प्रशिक्षण शिविर के लिए चयनित हुए जी एल बजाज के छात्र

लोकप्रिय व्यू

नोएडा। डेटा नोएडा की एल बजाज इंस्टिट्यूट ऑफ टेक्नोलॉजी एंड मैनेजमेंट ने अपने छात्रों के एक प्रतिष्ठित ड्रोन प्रशिक्षण शिविर के लिए चयन की घोषणा की है, जो 7 मार्च से 16 मार्च 2026 तक लखनऊ में आयोजित किया गया।

कैडेट लवि पंवार (तृतीय वर्ष, CSE-DS) और कैडेट मुदुल सोम (तृतीय वर्ष, CSE) ने इस अत्यंत प्रतिस्पर्धी कार्यक्रम में अपनी जगह बनाई है। उनका परचम उनके समर्पण, तकनीकी दक्षता और संस्थान द्वारा नवाचार एवं उत्कृष्टता को निरंतर प्रोत्साहित करने के प्रयासों का प्रतिबिंब है। यह ड्रोन प्रशिक्षण शिविर प्रतिस्पर्धी को अवसर प्रदान करने के लिए डिजाइन किया गया है, जिसमें एरियल सर्विलांस, ड्रोन संचालन, उन्नत नेविगेशन सिस्टम, रियल-टाइम डेटा हैंडलिंग शामिल हैं। वर्तमान तकनीकी परिदृश्य में ड्रोन तकनीक रक्षा, कृषि, लॉजिस्टिक्स और आपदा प्रबंधन जैसे क्षेत्रों में एक महत्वपूर्ण साधन के रूप में उभर रही है। इस प्रकार के कार्यक्रम छात्रों को व्यावहारिक एवं उद्योग-उन्मुख कौशल प्रदान करते हैं, जिससे उनकी शिक्षा पारंपरिक कक्षाओं से कहीं आगे बढ़ती है। जीएल बजाज इंस्टिट्यूट ऑफ टेक्नोलॉजी यह मैनोफेन लगाकर छात्रों को उभरती तकनीकों से जोड़ने के लिए प्रतिबद्ध मंच प्रदान करता है, जैसे राष्ट्रीय स्तर के प्रशिक्षण कार्यक्रम

नवाचार-आधारित पद

यह उपलब्धि जीएल बजाज की इस प्रतिष्ठित का लक्ष्य प्रमाण है, जिसके माध्यम से संस्थान शैक्षणिक शिक्षा और वास्तविक दुनिया के अनुप्रयोग के बीच की दूरी को कम करता है। इस प्रकार के कार्यक्रम छात्रों को व्यावहारिक एवं उद्योग-उन्मुख कौशल प्रदान करते हैं, जिससे उनकी शिक्षा पारंपरिक कक्षाओं से कहीं आगे बढ़ती है। 'GL Bajaj's Growing Technologically' केवल एक टैग नहीं, बल्कि छात्रों की उपलब्धियों के माध्यम से साकार होती वास्तविकता है।

Cadet Lavi Panwar of the CSE(DS) department of GL Bajaj Institute of Technology and Management, NCC unit, successfully attended the Drone Training Camp held from 7th to 17th March 2026, where cadets from 11 districts across Uttar Pradesh participated. The camp provided extensive theoretical knowledge and practical exposure in drone technology, including drone fundamentals, assembly, motor and ESC configuration, soldering techniques, flight training, and safety protocols.

Among 230 cadets, Cadet Lavi Panwar was selected among the Top 20 for drone flying and navigation. Additionally, he secured 1st position in Tug of War and 2nd position in Badminton, demonstrating outstanding performance, discipline, teamwork, and leadership.

लखनऊ में ड्रोन प्रशिक्षण शिविर के लिए चयनित हुए जीएल बजाज के छात्र

जनता की खोज
शाफी मौहम्मद सैफी

ग्रेटर नोएडा। जीएल बजाज इंस्टिट्यूट ऑफ टेक्नोलॉजी एंड मैनेजमेंट ने अपने छात्रों के एक प्रतिष्ठित ड्रोन प्रशिक्षण शिविर के लिए चयन की घोषणा की है, जो 7 मार्च से 16 मार्च 2026 तक लखनऊ में आयोजित किया गया। कैडेट लवि पंवार (तृतीय वर्ष, सीएसई-डीएस) और कैडेट मुदुल सोम (तृतीय वर्ष, सीएसई) ने इस अत्यंत प्रतिस्पर्धी कार्यक्रम में अपनी जगह बनाई है। उनका चयन उनके समर्पण, तकनीकी दक्षता और संस्थान द्वारा नवाचार एवं उत्कृष्टता को निरंतर प्रोत्साहित करने के प्रयासों का प्रतिबिंब है। यह ड्रोन प्रशिक्षण शिविर प्रतिस्पर्धी को अत्याधुनिक ड्रोन तकनीकों का व्यावहारिक अनुभव प्रदान करने के लिए डिजाइन किया गया है, जिसमें एरियल सर्विलांस, ड्रोन संचालन, उन्नत नेविगेशन सिस्टम, रियल-टाइम डेटा हैंडलिंग शामिल हैं। वर्तमान तकनीकी परिदृश्य में ड्रोन तकनीक रक्षा, कृषि, लॉजिस्टिक्स और आपदा प्रबंधन जैसे क्षेत्रों में एक महत्वपूर्ण साधन के रूप में उभर रही है। इस प्रकार के कार्यक्रम छात्रों को व्यावहारिक एवं उद्योग-उन्मुख कौशल प्रदान करते हैं, जिससे उनकी शिक्षा पारंपरिक कक्षाओं से कहीं आगे बढ़ती है। जीएल बजाज इंस्टिट्यूट ऑफ टेक्नोलॉजी यह मैनोफेन लगाकर छात्रों को उभरती तकनीकों से जोड़ने के लिए प्रतिबद्ध मंच प्रदान करता है, जैसे राष्ट्रीय स्तर के प्रशिक्षण कार्यक्रम, तकनीकी कौशल प्रदान करते हैं, जिससे उनकी शिक्षा पारंपरिक कक्षाओं से कहीं आगे बढ़ती है।

राष्ट्रीय स्तर के प्रशिक्षण कार्यक्रम, तकनीकी कार्यशालाएँ एवं प्रमाणन, उद्योग सहयोग, नवाचार-आधारित पहल। यह उपलब्धि जीएल बजाज की इस प्रतिबद्धता का सशक्त प्रमाण है, जिसके माध्यम से संस्थान शैक्षणिक शिक्षा और वास्तविक दुनिया के अनुप्रयोग के बीच की दूरी को कम करता है तथा छात्रों को प्रतिस्पर्धी करियर के लिए तैयार करता है। इन कैडेट्स का चयन पूरे जीएल बजाज परिवार के लिए गर्व का क्षण है। वह उस अनुशासन, उत्कृष्टता और तकनीकी जिज्ञासा की संस्कृति को दर्शाता है, जो इस संस्थान की पहचान है।

नवविद्यमान ग्राहक टेक्नोलॉजिकली ह्वे केवल एक टैग नहीं, बल्कि छात्रों की उपलब्धियों के माध्यम से साकार होती वास्तविकता है।

STUDENT'S ACHIEVEMENTS

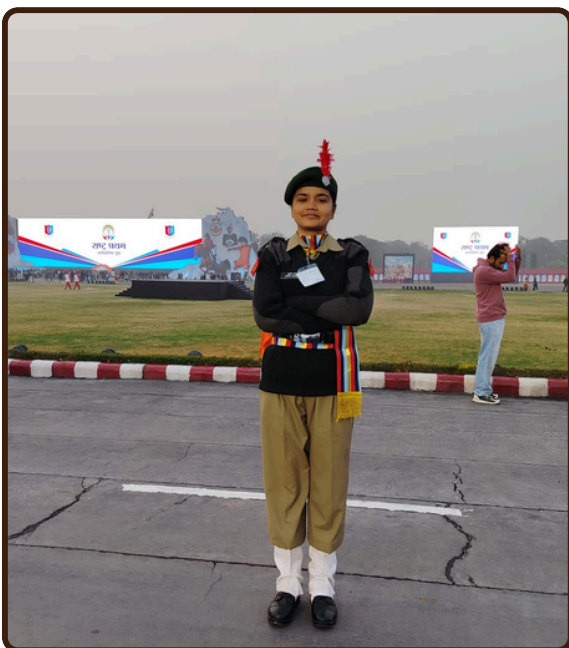
UDYAMI CELL'S NATIONAL NEC SUCCESS

A team of 15 students of Udyami Cell, GL Bajaj Institute of Technology and Management represented the institute at the National Entrepreneurship Challenge (NEC) 2025 Finals, organised by E-Cell, IIT Bombay, from 10th to 12th December 2025. The team was led by Arbaz Nafees, a promising student of CSDS.

The team secured an impressive 37th rank nationally in the Basic Track, reflecting consistent performance and competitive excellence at a national platform.



PARTICIPATION IN REPUBLIC DAY PARADE



The Department of Computer Science and Engineering (Data Science) proudly congratulates Ms. Suhani Sharma for her participation in the Republic Day Parade. This prestigious achievement reflects her dedication, discipline, and commitment to national values.

Her representation of the institution on such a grand platform is a moment of immense pride for the department and serves as an inspiration for fellow students to excel beyond academics.

JAN-MAR 2026



GL BAJAJ

Institute of Technology & Management

FIND YOUR SPARK

Approved by AICTE & Affiliated to AKTU

DEPARTMENT OF CSE-DS

