

# Department of Electrical and Electronics Engineering

EEE-INSIDER | June 2025



## Director's Message



I am delighted to address you all through this edition of the departmental newsletter.

Education, in its true sense, is not only about acquiring knowledge but also about sharing and applying it meaningfully. The Department of Electrical and Electronics Engineering at GLBITM consistently takes commendable initiatives to provide a platform for the holistic development of both students and faculty. Through active participation in academic, technical, and co-curricular activities, the department fosters a culture of learning, collaboration, and innovation.

We, at GL Bajaj, are committed to nurturing budding technocrats with the competencies and confidence to meet global industry challenges. We emphasize the development of

problem-solving abilities, ethical values, communication skills, and teamwork—traits essential for any successful professional.

GL Bajaj continues to be a hub of talent, where academia, industry, and research converge. Our commitment is to produce not just engineers, but socially responsible professionals who are deeply rooted in Indian ethos and values.

I congratulate the Department of Electrical and Electronics Engineering for their dedicated efforts and visionary approach to integrating technology, research, and management skills in their pedagogy. I am confident that the department will scale greater heights and set new benchmarks in this academic session.

*Wishing everyone a successful and enriching year ahead.*

*Warm regards,*

**-Prof. (Dr.) Preeti Bajaj**

**Director-GLBITM**

## Head of Department Message



It gives me immense pleasure to present this edition of the Departmental newsletter, highlighting the achievements and milestones of the Department of Electrical and Electronics Engineering. Our department continues to work with a clear vision of delivering transformational education that nurtures tomorrow's skilled workforce, innovative researchers, and technology leaders. We are committed to fostering a learning environment grounded in empirical, collaborative, and

outcome-based education. This approach empowers our students to adapt, innovate, and thrive while addressing real-world challenges. Equipped with a blend of traditional and modern laboratories—such as the Machine Lab, Automation Lab, Power System Lab, Microprocessor Lab, Power Electronics Lab, and Networks & Simulation Lab—the department ensures a hands-on and immersive learning experience. I would like to take this opportunity to congratulate all our students who have successfully secured placements. Your hard work and perseverance are truly commendable, and we wish you continued success in your professional journey. We take pride in cultivating a conducive environment where analytical thinking and practical skills are enhanced and translated into meaningful solutions. I am confident that the achievements documented in this edition will inspire our academic community to continue striving for excellence and innovation.

**-Dr. Mohit Bansal**  
**(HOD, EEE Department,**  
**GLBITM)**

## About the Department

The Department of Electrical and Electronics Engineering at GL Bajaj Institute of Technology & Management was established in the year 2005 with a vision to impart quality education and provide competent professionals to fulfill the needs of industry and society in global perspective for sustainable development of industry and society. The Department aims to foster students to attain professional excellence by imparting them necessary soft skills and technical knowledge. From household to industrial plants, communication, satellite navigation systems, electronic equipment and computers etc. require electricity so Electrical and Electronics Engineering is always an evergreen discipline in terms of scope and career perspective.

### Our Vision

To be department of repute in automation to cater the needs of society.

### Our Mission

- To achieve academic excellence through dedicated teaching and learning.
- To provide conducive environment for self-learning.
- To develop strong industry-institute interaction.
- To imbibe professional ethics, values and positive attitude in the students.



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## PATRONS

Dr. Ram Kishore Agarwal (Chairman)  
Mr. Pankaj Agarwal (Vice-Chairman)  
Prof. (Dr.) Preeti Bajaj (Director)  
Dr. Mohit Bansal (H.O.D)

## EDITOR

Mrs. Priyanka Datta

## STUDENTS SUPPORT

Mr. Himanshu Sharma (2301920210013)  
Mr. Anuj Solanki (2201920210004)

## Demonstration & Hands-on Session of CNC Cutter

**Date: 30th July 2025**

**Venue: AICTE IDEA Lab, GLBITM Campus**

The AICTE IDEA Lab at G. L. Bajaj Institute of Technology & Management, Greater Noida, organized a Demonstration and Hands-on Session on CNC Cutter for the visiting students and faculty members of Dayawati Modi Academy, Meerut on 30th July 2025. This initiative aimed to provide exposure to digital fabrication tools and foster interest in emerging technologies among school students. A total number of 30 students along with 03 faculty members participated in the event.

The key highlights of the event were: -

- The session began with a brief introduction to CNC (Computer Numerical Control) technology, its applications in various industries, and its relevance to modern manufacturing.
- A live demonstration of the CNC cutting machine was conducted, showcasing its functionality, precision, and design workflow.
- All visiting students were given the opportunity to interact with the machine and try basic operations under expert guidance.
- The students displayed keen interest and enthusiasm, asking insightful questions and actively participating in the session. In the end, the session successfully created awareness among school students about advanced prototyping and digital manufacturing tools. It fostered hands-on learning and stimulated curiosity about engineering and innovation. The interaction also served to strengthen institutional outreach and promote STEM education at the school level. The event was a successful demonstration of GLBITM's commitment to experiential learning and community engagement. The AICTE IDEA Lab continues to serve as a hub for innovation, bridging the gap between theoretical knowledge and practical implementation.



**Students engaged in a live demonstration and hands-on session of CNC Cutter technology at AICTE IDEA Lab**

## Student Corner

We are proud to share that **Aishwarya Gupta (Enrollment No.: 2301920210003)**, an active member of the Rotaract Club of GL Bajaj, has made a heartfelt and impactful contribution by donating her hair as part of Project Ponytail—an initiative aimed at supporting cancer patients. In recognition of her selfless act and consistent dedication to community service, Aishwarya was honored with the Best Rotaractor (Female) award by the Rotaract Club of GL Bajaj.



## Student Corner

We are pleased to share that **Himanshu Singh (Enrollment No.: 2201920210034)**, a student of the Department of Electrical and Electronics Engineering, successfully completed his internship at NHPC (National Hydroelectric Power Corporation), Himachal Pradesh. This experience has provided him with valuable exposure to hydroelectric power systems and real-time operations in the energy sector. We congratulate Himanshu on this achievement and wish him continued success in his professional journey



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दिनांक: 26.07.2025

### प्रशिक्षण प्रमाण पत्र

यह प्रमाणित किया जाता है कि जी.एल. बजाज इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड मैनेजमेंट ग्रेटर नोएडा यू.पी., बैचलर ऑफ टेक्नोलॉजी (ईईई) के छात्र **श्री हिमांशु सिंह** ने एनएचपीसी लिमिटेड में दिनांक **27.06.2025** से **25.07.2025** तक औद्योगिक प्रशिक्षण सफलतापूर्वक पूरा कर लिया है।

इस प्रशिक्षण के दौरान, उन्होंने **श्री.यू हरिकृष्णा, प्रबंधक (विद्युत)** के मार्गदर्शन में पार्वती-II जल विद्युत परियोजना के पावर हाउस विद्युत सैज, में काम किया एवं प्रशिक्षण अवधि के दौरान इनका समग्र प्रदर्शन उत्कृष्ट रहा।

हम इनके भावी व्यावसायिक प्रयासों में सफलता की कामना करते हैं।

*Himanshu Singh*  
26.07.2025

(कनिका पाण्डेय)  
वरिष्ठ प्रबंधक (पुस्तकालय)  
मानव संसाधन विभाग

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Nagwain Mandi (H.P.)-175121

# Placement Highlights

## *Congratulations*

We are proud to announce that the following students from B.Tech Electrical 2025 Batch have been selected by **Sparrow Shopfits with a CTC of ₹4.2 LPA.**

Wishing them great success ahead!



**ARYAN SHARMA**  
(2201920210006)



**LUCKY**  
(2201920210018)



**VIVEK SINGH**  
(2201920210030)



**SHRUTI KUMARI**  
(2201920210024)



**LOVE KUMAR**  
(2201920210017)



**ADITYA NIGAM**  
(2201920210002)



**SIMRAN**  
(2201920210026)



**DEVENDER KUMAR**  
(2201920210009)

# *Program Outcomes/Program Specific Outcomes* :::::

## **Engineering Graduates will be able to:**

1. Engineering knowledge: An Ability to apply the knowledge of basic sciences and fundamental engineering concepts in solving complex Electrical and Electronics engineering problems and related field.
2. Problem analysis: An Ability to identify, formulate and analyze complex Electrical and Electronics engineering problems and interpret data to arrive at substantial conclusions using first principles of mathematics, natural sciences and engineering sciences.
3. Design/development of solutions: An Ability to design solutions for complex Electrical and Electronics engineering problems and design system components or processes that meet the specified need with appropriate considerations for public health and safety, and the cultural, societal and environmental considerations.
4. Conduct investigations of complex problems: An Ability to use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: An Ability to create, select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex Electrical and Electronics engineering activities with an understanding of the limitations.
6. The engineer and society: An Ability to apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practices.
7. Environment and sustainability: An Ability to understand the impact of the professional engineering solutions in societal and environmental context, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: An Ability to apply ethical practices and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: An Ability to function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.
10. Communication: An Ability to communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: An Ability to demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in the team, to manage projects and in multidisciplinary environments.

12. Life-long learning: An Ability to recognize the need for, and have the preparation and ability to engage in independent and life-long learning of broadest context of technological change.

## *Program Specific Outcomes* :::::

1. Analyze, design and simulate systems and applications related to electrical & electronics engineering and its allied areas.
2. Analyze and develop models related to control & automation sectors by applying the knowledge of electrical and electronics engineering.

