

# Department of Electrical and Electronics Engineering

EEE-INSIDER | August 2025



## Director's Message



"Education is the most powerful weapon which you can use to change the world." – Nelson Mandela

I am delighted to learn that the Department of Electrical and Electronics Engineering at GL Bajaj Institute of Technology and Management, Greater Noida, is bringing out its latest edition of the departmental newsletter.

The department consistently strives to create a vibrant academic environment by offering students and faculty diverse opportunities for learning, growth, and innovation. Through regular participation in various academic and co-curricular activities, it fosters a culture of curiosity

and continuous improvement—laying the foundation for innovation and discovery.

Beyond academic excellence, the department places strong emphasis on shaping students into responsible professionals with sound ethics, effective communication, teamwork skills, and a drive to succeed. It also nurtures critical thinking and creative problem-solving abilities—skills essential in today's rapidly evolving technological world.

I am confident that, the Department of Electrical and Electronics Engineering will continue to scale new heights and set exemplary benchmarks.

Wishing the department continued success in all its future endeavors.

*Warm regards,*

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

**Director-GLBITM**

## Head of Department Message



“The function of education is to teach one to think intensively and to think critically. Intelligence plus character - that is the goal of true education.” -Martin Luther King, Jr.

Education should not only involve the subjects studied and taught at college. Skilled students are not only trained and qualified, but they also earn awards and feel proud of themselves. It's a lifetime exercise that can be extremely thrilling only if we want to hop on a train of experience and

travel all over the world.

In keeping with this visual model, the Department of Electrical and Electronics Engineering was developed with the main purpose of offering world-class training in electrical engineering, thus addressing today's and future issues. The Department of Electrical and Electronics Engineering was formed with the primary objective of providing world class education in the field of electrical engineering, while addressing the problems of today and tomorrow. Right from its inception, the department has been offering excellent infrastructural facilities with a variety of computing platforms to aspiring professional students to meet the burgeoning demands of the industry.

The strength of the department lies in the highly motivated students who understand the dynamics of the industry and hone their skills accordingly.

I cordially welcome everyone on behalf of the EEE department to this issue of the newsletter. The latest news about our department, its outstanding activities, student and teacher achievements can be found here.

**-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.



## 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)

## Inside The Issue:

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## INNOVATIVE SKILLS FOR INDUSTRY SUCCESS – ALUMNI INTERACTION

**Date:** 23rd August 2025

**Venue:** Online (<https://meet.google.com/kcg-ytns-qau>)

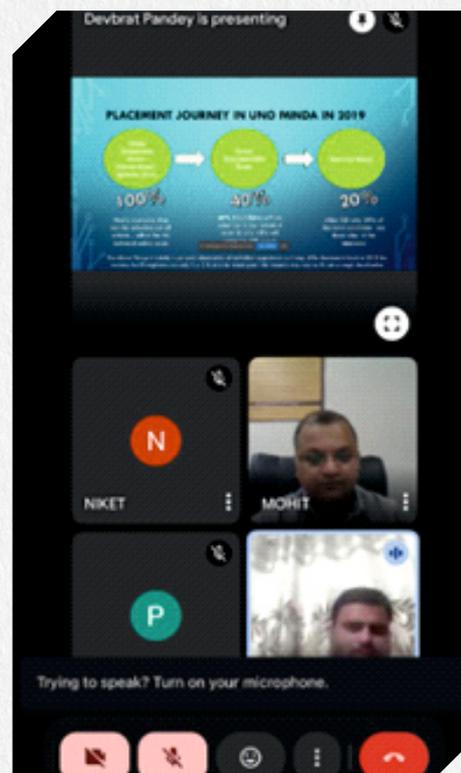
The Department of Electrical and Electronics Engineering (EEE) organized an Alumni Interaction Session on 23rd August 2025, titled “Innovative Skills for Industry Success.” The session was conducted to mentor students by highlighting industry expectations, essential skills, and innovative approaches for professional growth and career readiness.

The event began with a warm welcome address by Dr. Nagendra Kumar, who emphasized the significance of alumni interactions in bridging academic learning and industrial practices.

Mr. Devbrat Pandey, a proficient alumnus from the 2014–2019 batch and currently serving as Assistant Manager at AVL, Gurugram, shared his professional journey and key strategies for excelling in placements and workplace environments. His session covered problem-solving techniques, communication development, and fostering innovative thinking for industry success.

The session concluded with a heartfelt Vote of Thanks by Dr. Mohit Bansal, Head of Department (EEE), appreciating the speaker for his valuable insights and encouraging students to apply the shared learnings for career advancement.

The session proved highly beneficial, boosting student's confidence, enhancing their technical and soft skills, and motivating them to adopt innovative approaches toward career success. The department plans to host more such sessions to strengthen industry-academia linkage and improve placement outcomes.



*Some glimpses of the session*

# ***Mentoring Session on “Lean Start-up & Minimum Viable Product/Business”***

**Date: 25th August 2025**

**Venue: Room No. 803, AB-II, GLBITM**

A mentoring session on the topic “Lean Start-up & Minimum Viable Product/Business” was successfully conducted on 25th August 2025, organized by the EEE Department, GL Bajaj Institute of Technology and Management, Greater Noida.. The session was aimed at introducing students and budding entrepreneurs to the Lean Start-up methodology—a modern approach that focuses on validating business ideas through continuous feedback and rapid iteration. The goal was to help participants understand how to minimize risk and resources while increasing the chances of start-up success through a structured and customer-focused approach.

The session was delivered by Ms. Deepti Dohare, Convener, IIC (Institution's Innovation Council) and Innovation Ambassador. Drawing on her expertise in innovation and entrepreneurship, she explained key concepts such as the Build-Measure-Learn cycle and the role of a Minimum Viable Product (MVP) in early-stage start-ups. She emphasized the importance of testing business assumptions with real users before scaling, using real-world examples to illustrate how successful ventures often begin with simple MVPs designed to collect user feedback.

Ms. Deepti Dohare also introduced participants to various types of MVPs and discussed how early feedback can guide whether to pivot or continue with a business idea. An interactive Q&A session followed, during which students shared their start-up ideas.

The session was well-received and proved highly beneficial for all attendees. The session not only enhanced their understanding of Lean Start-up principles but also encouraged them to take actionable steps toward building innovative, customer-driven businesses.



***Students attending a mentoring session***



## *Faculty Corner*

**Date: 25th August 2025**

**Venue: Room No. 803, AB-II, GLBITM**

EEE Department, GLBITM extends heartfelt congratulations to Ms. Priyanka Datta, Assistant Professor, EEE Department, for completing her Ph.D. Viva Voce at Delhi Technological University (DTU) on 19th August 2025.

Her research work, titled "Analysis of Medical Images Using AI Techniques," demonstrates excellence in the application of artificial intelligence in the healthcare domain. This remarkable academic achievement is a demonstration of her dedication and expertise in the field.

Wishing her ongoing success and excellence in academics and research.



***Priyanka Datta with the evaluation committee and faculty members during her Ph.D. Viva Voce presentation***



We are delighted to share that **Ekansh Goyal (Enrollment No.: 2201920210010)**, a student of the Department of Electrical and Electronics Engineering, GL Bajaj Institute of Technology and Management, Greater Noida, has successfully completed his internship at Siemens Ltd. from 01.07.2025 to 11.08.2025.

This internship has provided him with meaningful exposure to industry practices and corporate work culture, enhancing his technical and professional competencies. We congratulate Ekansh on this achievement and wish him continued success in his future endeavors.

**SIEMENS**

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Date	August 26, 2025

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. Ekansh Goyal, a student at G.L. Bajaj Institute of Technology & Management Gr. Noida, has successfully completed his internship in our organization from 01.07.2025 to 11.08.2025.

We wish him every success in his future endeavors.

Regards,  
For Siemens Ltd.

**Ajay Manotra**  
Senior Manager - Hire to Retire

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## *Outreach & Collaborations* ::::

The Department of Electrical and Electronics Engineering proudly announces the participation of its students in Samyati 3.0, a prestigious district-level inter-exchange and cultural program organized by District RID 3131. Bringing together students from 30 districts across India and 6 international regions, this platform fostered cultural exchange, leadership development, and global collaboration. Hosted by 53 clubs in Pune, the event provided students with enriching opportunities in heritage exploration, cultural representation, and international networking, with all expenses covered by the hosting district.

Representing the Rotaract Club of GL Bajaj, RID 3012, the following students were selected through a competitive interview process, showcasing their leadership, creativity, and cultural awareness:

- **Aishwarya Gupta (Roll No. 2301920210003, EEE – 3rd Year)**
- **Amrita Kumari (Roll No. 2301920210005, EEE – 2nd Year)**

Over three days, they engaged in heritage visits, cultural showcases, letterhead exchanges, and networking sessions with 140+ national and international delegates. Their efforts resulted in 130 successful exchanges, strong collaborations, and recognition from RID 3131. The Department congratulates the students on this remarkable achievement, as they return with enhanced confidence, global friendships, and innovative ideas, exemplifying the true spirit of Rotaract.





# *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.

