

2023-24

# NEWS LETTER

Department of Electronics and Communication Engineering

- Farewell Party for the Department of Electronics and Communication Engineering
- Innovative Leap: Prototyping the Future
- Expert talk on Foundations of Intellectual Property: Basics and Beyond
- Orientation Program of BIS Standard Club (ECE chapter)
- Expert Talk on "Research Methodology"
- Five-Day Short-Term Course on Effective Curriculum Design
- Training Session on IoT at Government School, Noida
- Ingenium Fiesta An Odyssey of Innovation
- Online Session on Accelerators/Incubation-Opportunities for Students & Faculties-Early Stage Entrepreneurs.





8<sup>th</sup> June 2024

## Farewell Party for the Department of Electronics and Communication Engineering

On the 8th of June, 2024, Department of Electronics and Communication Engineering came together to bid farewell to its graduating students with a grand and heartfelt celebration. The event was a beautiful blend of emotions, nostalgia and joy as faculty, students, and staff gathered to honor the journey of the outgoing batch. The evening began with a warm welcome address by the Dr. Satyendra Sharma, Head of the Department [ECE], who shared inspiring words of wisdom and encouraged the graduates to pursue their dreams with determination and integrity. A special segment of the evening was dedicated to the seniors, where juniors performed a variety of cultural programs, including music, dance, and skits, all designed to bring a smile to the faces of the graduating students. The performances were a testament to the strong bonds and camaraderie shared among the students, making the evening even more special. The farewell party concluded with a heartfelt vote of thanks by the student representatives, who expressed their gratitude to the faculty and staff for their unwavering support and guidance throughout their academic journey. The event ended on a high note with a group photograph that captured the essence of the evening—an evening filled with love, respect, and hopes for a bright future.





2-3 May 2024  
**Innovative Leap: Prototyping the Future**

On 2nd and 3rd May 2024 Department of Electronics & Communication Engineering Conducted a two-day event, "Innovative Leap: Prototyping the Future," featured intensive training sessions on PCB Design and Additive Manufacturing in association with CDAC. It was structured around comprehensive curriculums to provide theoretical knowledge complemented by practical, hands-on Experiences. This approach ensured that participants not only understood the underlying principles of PCB design and additive manufacturing but also gained the confidence to apply these skills in real-world scenarios. The event provided a robust platform for participants to interact with advanced tools and technologies under the guidance of industry experts, significantly enhancing their competency and readiness for future technological challenges.



25<sup>th</sup> April 2024

## Expert talk on Foundations of Intellectual Property: Basics and Beyond

Department of Electronics & Communication Engineering of GL Bajaj Institute of Technology and Management, Greater Noida in collaboration with the Institution' Innovation Council (IIC) GLBITM organized an Expert talk on “Foundations of Intellectual Property: Basics and Beyond” on 25th April 2024 to mark the celebration of World Intellectual Property Day. World Intellectual Property Day is celebrated on April 26 to spread awareness about intellectual property (IP) rights and how it encourages innovation and creativity to drive human progress. The keynote speaker was Mr. Jaspreet Singh, the co-founder and CEO of IPQuad Partners. He emphasized on the need, importance, and requirement of IPR with the help of simple and real-life examples. He addressed that Intellectual property refers to any intellectual creation, such as literary works, artistic works, inventions, designs, symbols, names, images, computer code, etc. Intellectual property law exists to protect the creators and covers areas of copyright, trademark law, and patents. He also stated that Intellectual property rights are the rights given to persons over the creations of their minds. They usually give the creator an exclusive right over the use of his/her creation for a certain period. Dr. Krishanu Kundu (Associate Professor, ECE) coordinated the whole event under the supervision of Prof. Dr. Satyendra Sharma (Professor & HOD, ECE). Around 80 students of the ECE Department participated in the event.





**19th April, 2024**  
**Orientation Program of BIS Standard Club (ECE chapter)**

Bureau of Indian Standards (BIS) is the National Standards body of India, Working under the ministry of Consumer Affairs, Government of India. It works for harmonious development of Standards, Certification; Testing & Consumer Awareness. BIS has taken the initiative of creating Standards Clubs in educational institutions comprising teachers and students as members. Through a variety of activities under these Clubs, young talents get learning opportunities in the field of quality and standardization. In these continuations Department of ECE, GL Bajaj Institute of Technology & Management, Greater Noida in collaboration with Bureau of Indian Standards, Noida Branch has conducted an Orientation Programme on Quality Consciousness on 19th April, 2024, in which Shri Vishnu Gupta, Ex BIS Officer, Deputy Director General (Retired), explained the activities carried out by BIS and the benefit of forming Standards Club in School Colleges. He also explained about Standards Club benefits & Guidelines on forming standards club. The event aimed to raise awareness about BIS and standards in the current scenario. The aim was to encourage participants to understand BIS and its workings through insights from standards professionals. The discussion focused on relevance of BIS and standards, their influence on society, and their role in product safety. Attendees got a better understanding of BIS standards and their potential to positively affect the globe. The orientation program was held in the SBG Hall, AB-II in which 60 students of ECE branch were present. In this Program, official formation of the Standard Club is done. Students have obtained a better grasp of the role of BIS and its standards in driving advancement in numerous fields, as well as its influence on society. Further Students have obtained a better grasp of the role of BIS and its standards in driving advancement in numerous fields, as well as its influence on society. Furthermore, students have learnt new abilities connected to standards writing. The session included methodologies for creating and assessing standards, as well as their implementation. Finally, students learnt about current BIS trends and best practices from standards experts. This might offer insight into product quality and future trends. Students have learnt new abilities connected to standards writing. The session included methodologies for creating and assessing standards, as well as their implementation. Dr. Krishanu kundu (Associate Professor, ECE) coordinated the whole event under the super vision of Prof. Dr. Satyendra Sharma (Professor & HOD, ECE).



Shri Vishnu Gupta, Ex BIS Officer,  
Deputy Director General (Retired)  
explaining the correct ISI Logo format



Prize distributions among  
winners of BIS students' activity



Shri Vishnu Gupta, Ex BIS Officer,  
Deputy Director General  
(Retired) Delivering Speech on Standards



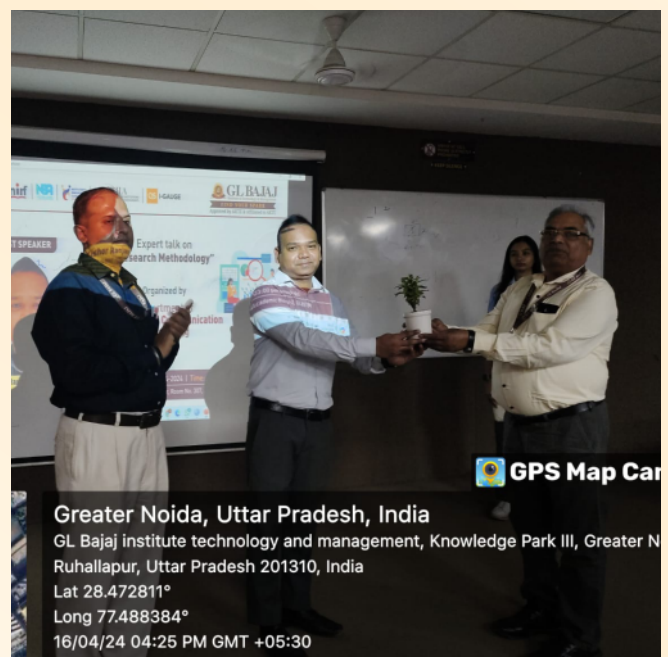
## 16th April, 2024

### Expert Talk on "Research Methodology"

Department of Electronics & Communication Engineering, GL Bajaj Institute of Technology and Management, Greater Noida organized an Expert talk on "Research Methodology" on 16th April, 2024. Research methodology is a systematic and scientific strategy to gathering, analysing, and interpreting quantitative or qualitative data in order to answer research questions or test hypotheses. A research methodology is similar to a strategy for doing research and helps researchers stay on track by restricting the scope of the study. Several factors must be examined before choosing an acceptable research approach, including study limits and ethical problems that may impact research. Although the phrases are sometimes used interchangeably, research methodology and research method are distinct. Research methods are the instruments used to collect data, whereas research methodology provide a framework for how research is planned, carried out, and analysed. The latter assists researchers in determining the best appropriate strategies for their research. Research methods are the precise strategies, processes, and instruments used by researchers to gather, analyse, and interpret data, such as surveys, questionnaires, and interviews. The keynote speaker was Prof. Ravi Kishor Ranjan, Assistant Professor (Operations) GLBIMR PGDM institute. He emphasised on the need, importance, and requirement of research in academics with the help of simple and real-life examples. He addressed the parameters such as clarity, simplicity, word choice, and active voice to improve the quality of technical writing. He advised to eliminate needless complexity in the technical article by removing ambiguity, abstract words, needless words, and excess words. He shared his experiences created with his research scholars and motivated all the participants to inculcate research culture in academics and teaching. Dr. Krishanu kundu (Associate Professor, ECE) coordinated the whole event under the super vision of Prof. Dr. Satyendra Sharma (Professor & HOD, ECE). Around 80 students of ECE Department participated in the event.



**Prof. Ravi Kishor Ranjan addressing the students on Research Methodology**



**Prof. Dr. Satyendra Sharma (HOD, ECE) Facilitating the Guest Speaker**



18-22 Mar,2024

## Five-Day Short-Term Course on Effective Curriculum Design

### Day 1: March 18th, 2024 –

Dr. Meenakshi Sood initiated the course with an insightful discussion on Curriculum Design, laying a strong foundation for the upcoming sessions. Dr. Sanjeev Sofat explored Bloom's Taxonomy, setting the stage for a deeper understanding of cognitive learning domains.

### Day 2: March 19th, 2024 –

Dr. Meenakshi Sood delved into Outcome Education and Articulation Mapping, stressing the importance of aligning educational objectives with real-world outcomes. Dr. P. S. Grover provided practical tools and methodologies for Curriculum Design and Implementation Strategy.

### Day 3: March 20th, 2024 –

Ms. Amandeep Kaur introduced Instructional Strategies for Outcome-Based Education, fostering innovative approaches to engage learners. Academic-Industry Linkage: Prof. Niraj Bala emphasized bridging the gap between academia and industry for curriculum relevance. Dr. Gaurav Kumar explored E-Tools for Student Evaluation, enhancing assessment processes.

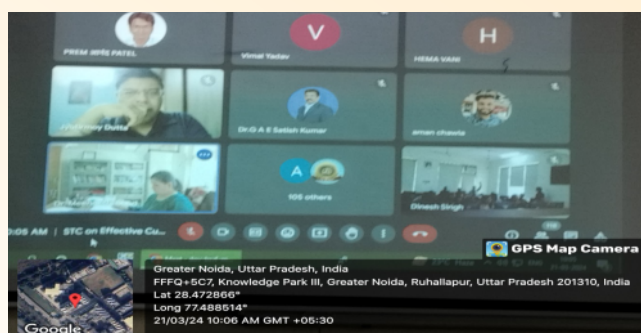
### Day 4: March 21st, 2024 –

Dr. Jyotirmoy Dutta showcased the transformative potential of technology in education. Assessment Techniques: Dr. P. S. Grover introduced effective assessment methods and rubrics. Dr. Sunil Dutt empowered participants with fair and objective assessment practices.

### Day 5: March 22nd, 2024 –

Dr. Sunil Dutt provided insights into crafting assessments aligned with curriculum objectives. NEP-2020 Integration: Dr. Meenakshi Sood concluded with an overview of the Curriculum Framework for Higher Education in NEP-2020. Feedback & Valediction: Dr. Meenakshi Sood facilitated a feedback session, concluding the course with valuable reflections and a valedictory address.

The Five-Day Short-Term Course on Effective Curriculum Design left participants enriched and empowered, equipped with knowledge and tools to drive educational reforms.





## **Training Session on IoT at Government School, Noida**

**Date:** December 23, 2023

**Venue:** Bhagat Singh senior secondary school, Noida

**Organized By:** Department of Electronics and Communication Engineering, GLBITM

The training session on IoT conducted at Government School, Noida, by the faculties of the Department of Electronics and Communication Engineering, GLBITM, was a resounding success. The session commenced at 10:00 AM and continued until 1:00 PM, engaging students in interactive lectures and demonstrations. The training session aimed to introduce students to the concept of the Internet of Things (IoT), its applications and its significance in today's digital age. The session aimed to ignite curiosity and interest among students towards emerging technologies and encourage them to explore career opportunities in the field of electronics and communication engineering. The collaboration between GLBITM and the government school was commendable, and such initiatives are essential for fostering interest and awareness in emerging technologies among students.

### **Participants:**

- Faculties from the Department of Electronics and Communication Engineering, GLBITM
- Students of Bhagat Singh senior secondary school, Noida
- Teachers from Bhagat Singh senior secondary school, Noida



**26 Sep, 2023**  
**Ingenium Fiesta An Oddysey of Innovation**

INGENIUM FIESTA is an innovative event jointly organized by the Innovation and Incubation Cell (IIC) and Anvitha Club of ECE Department at GL Bajaj Institute of Technology and Management, was held on September 25 and 26, 2023. This event aimed at nurturing the minds which will soon take their first step into the highly competitive technical society, along with sprouting a sense of creativeness to keep yourself unique in the everlasting horde. The event was coordinated by the faculty members of the Electronics and Communication Department and members of the Anvitha Club. It was a transformative event that underscored GL Bajaj Institute's commitment to fostering innovation and entrepreneurial spirit among its students. By facilitating interactions between students, industry experts, and startups, the event succeeded with many exciting, innovative, brain storming and captivating events like Ecocraft, Quiztastic Showdown, Techquest along with an interactive tech talk session with Chandan Jha Sir, the renowned Gate Wallah from Physics Wallah team as our Chief Guest who would take a test of your mind along with igniting your curiosity. These projects reflected the students' ingenuity and problem- solving skills. The event hosted an engaging innovation challenge that prompted participants to tackle real-world issues using innovative approaches. This competition fostered collaboration and creative thinking among the participants. There were more than 150 students from different Departments participated in this event. As Students participated with full enthusiasm and good spirit, it was really a great experience in witnessing the eager minds proposing their special innovative ideas and work. Their ideas can bring a revolutionary change in the world of technology.





**26 Sep, 2023**

**Online Session on Accelerators/Incubation-Opportunities for Students & Faculties-Early Stage Entrepreneurs**

INGENIUM FIESTA is an innovative event jointly organized by the Innovation and Incubation Cell (IIC) and Anvitha Club of ECE Department at GL Bajaj Institute of Technology and Management, was held on September 25 and 26, 2023. This event aimed at nurturing the minds which will soon take their first step into the highly competitive technical society, along with sprouting a sense of creativeness to keep yourself unique in the everlasting horde. The event was coordinated by the faculty members of the Electronics and Communication Department and members of the Anvitha Club. It was a transformative event that underscored GL Bajaj Institute's commitment to fostering innovation and entrepreneurial spirit among its students. By facilitating interactions between students, industry experts, and startups, the event succeeded with many exciting, innovative, brain storming and captivating events like Ecocraft, Quiztastic Showdown, Techquest along with an interactive tech talk session with Chandan Jha Sir, the renowned Gate Wallah from Physics Wallah team as our Chief Guest who would take a test of your mind along with igniting your curiosity. These projects reflected the students' ingenuity and problem- solving skills. The event hosted an engaging innovation challenge that prompted participants to tackle real-world issues using innovative approaches. This competition fostered collaboration and creative thinking among the participants. There were more than 150 students from different Departments participated in this event. As Students participated with full enthusiasm and good spirit, it was really a great experience in witnessing the eager minds proposing their special innovative ideas and work. Their ideas can bring a revolutionary change in the world of technology.

## **Editorial Board**

**Convenor : Dr. Satyendra Sharma (HOD)**

**Editors : Dr. Dinesh Singh - Professor**  
**: Dr. Shilpa Choudhary - Associate Professor**



## **Vision**

To become a Department of repute and prepare globally competent and socially responsible professionals with holistic knowledge and technical skills.

## **Mission**

- To provide a supportive environment for effective knowledge transfer and nurturing ideas.
- To equip students with technical and leadership skills, and abilities to face the global challenges.
- To create an environment conducive for research and development with continuous involvement of industry.
- To inculcate professional and moral values in the students.

## **Program Educational Objectives (PEOs)**

- Exhibit multi-disciplinary technical and leadership skills for better employability, higher education and entrepreneurship.
- Possess strong knowledge in the field of Electronics and Communication Engineering to develop solutions for real life problems.
- Undertake professional responsibilities through strong team-work, communication skills and life-long learning.
- Become socially responsible professionals with moral values and ethics.