

MESSAGE



GL Bajaj is a cutting-edge Institution where the objective is to provide superlative education and foster intelligentsias who shall change the world of tomorrow. It is not just an institution which imparts forward-looking education, but an experience where everyone associated is part of a team which has a common mission - to nurture truly great leaders of tomorrow. Our college is one of the most eminent Higher Education Institutions today, and it is renowned for the standards of its facilities, students and alumni.

Electrical & Electronics engineering department has been a forerunner in recognizing the needs of the industry and integrating knowledge with professional inputs. Devotion to quality, ethics, and values have been the pivotal ideologies of Electrical & Electronics engineering department at GL Bajaj that are reverberated in every activity of the department. Immense care is taken to instill these standards among our students while modeling and refining their approaches. Electrical & Electronics department has ambitious procedures to elevate and grow its infrastructural facilities so that the expertise within can be of use to a larger section of the student population as well as industry, Industrial Automation Lab is a live example of this by which they resolve to continue making a difference to our society.

It is our fervent hope that the Electrical & Electronics engineering department will keep up their spirits in doing more such efforts that would arm our young minds with engineering & leadership skills.

Through this newsletter, I wish the department all the best and congratulate the budding achievers of the department to do more such good work in future.

Best wishes.

-Pankaj Agarwal (Vice Chairman)

I am feeling elated to address all of you through this newsletter. Education is a broader concept that involves acquiring adequate knowledge and imparting the same to educate another. Electrical & Electronics engineering department takes all possible initiatives in offering opportunities of holistic development to the student community as well as to the faculty through active participation in various activities, events and research work. I congratulate Electrical & Electronics engineering department for their pedagogy based on innovative applications of technology with a blend of management to enhance the leadership and technical skills of students. I hope that Electrical & Electronics engineering department will scale newer heights in the coming academic session.

- Dr. Rajeev Agrawal (Director, GLBITM)



Department of Electrical & Electronics engineering is working with a vision to provide transformational education that produces skilled workforce, researchers and innovators of tomorrow with intellectual and technological resources. Our commitment and dedication is to focus on empirical, cooperative and outcome based learning that allows our students to adapt, grow and succeed in solving real world problems. Department thrives to establish partnership with industries, government organizations, & academia and to become collaborative community of faculties, students, staff and alumni to fulfill societal needs with professional ethics.

With this edition, we are sharing achievements of the Department during the period July'18 to December'18, and I am confident that this showcase of activities/achievements will surely act as an encouragement to our faculty members & students in achieving greater heights.

- Dr. Mohit Bansal (Head, EEE Deptt.)

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.

Vision

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

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. RAMKISHORE AGARWAL (Chairman)

Mr. PANKAJ AGARWAL (Vice-Chairman)

Dr. RAJEEV AGARWAL (Director)

Dr. MOHIT BANSAL (H.O.D)

EDITOR

Mr. RAJAT MEHROTRA

STUDENTS SUPPORT

DIVYA GUPTA	(3 rd year)
KHUSHBOO YADAV	(3 rd year)
SONAL SINGH	(3 rd year)
PANKHURI SHRIVASTAVA	(2 nd year)
TANU SINGH	(2 nd year)
PURNIMA PANDEY	(2 nd year)
NIKITA YADAV	(2 nd year)

An Expert Talk

of Dr. A.K. Singh & Dr. R.K. Singh

By:-Sonal Singh



Department arranged an expert talk of Dr. A.K. Singh, & Dr. R.K. Singh from Electrical Engineering department, Motilal Nehru National Institute of Technology Allahabad, on 29th Sept. 2018, with the faculty members of the department. They discussed the following points:

1. Retention of faculty members in good institutions.
2. Developing good culture in the department.
3. Behavior of senior professors with the junior faculty members.

Industrial Visit

to Narora Atomic Power Station

By: - Purnima Pandey



Department organized an Industrial visit for B.Tech (EEE) 3rd year students at Narora Atomic Power Station on 11th Aug. 2018, in which 48 students and 2 faculty members (Mr. Shivendra Kaura, Mrs. Bhavana Sharma) took part. The students during their visit were briefed about the working and importance of the nuclear power generation plant.

The plant visit to Narora Atomic Power Station (NAPS) was an enriching experience for students in getting knowledge of different systems i.e nuclear reactor, steam generators, heat exchangers, cooling towers, feed pumps etc which can help them in their study and further career enhancements

“Enigma Youth Fest-2018” Departmental Event

Organized under the Student
Activity Club- Enigma

By: Tanu Singh

“You just have to find that thing that's special about you that distinguishes you from all the others, and through true talent, hard work, and passion, anything can happen.”

On 4th & 5th October 2018, “Enigma Youth Fest-2018” was

organized by the student activity club of department, Enigma. The event focused on all-round development of the students. All the competitions that were organized inculcated competitive nature and increased the confidence as well knowledge of the students.

To make one's mind get out of the comfort zone and showcase what they truly are, we provided them with a platform and the active participation left us in awe.

Sometimes, all you need is an escape, an escape from the daily tasks, from the daily routine and that might be just enough to get you going through the day and get your mind on the right track, and sometimes this escape is your talent, there are a few tasks, a few activities that make your mind toggle and your heart skip a beat while you involve yourself in them.

Taking forward the same zeal, the zeal that leads the innovators to invent and the genius to build on their passion.

We took forwards this step and to make the month a bit more interesting we came forward with the following events that involved,

1. Talent Hunt
2. Individual picture description
3. Individual on the spot speech
4. Quiz (in a group of 2)



Training Program

on Electrical Hazards and Safety Practices

By: Divya Gupta

Department organized One Day Training Program on *Electrical Hazards and Safety Practices* on 21st August, 2018 in association with **National Power Training Institute (NPTI)** Badarpur, New Delhi. Program was technically co-sponsored by IEEE UP Section and Indian Society for Technical Education, New Delhi.

Prominent speakers, Mr. A.K. Goel (Ex. DGM NTPC), Mr. Mohan Saran (Ex. DGM NTPC), Mr. Kshitij Jain (Asst. Director NPTI), shared their knowledge and experience with the participants.

Faculty and Technical staff from different departments, had participated in this one day electrical safety program.



A Technical Talk

by Mr. Jaspal Singh(AGM-BD)
& Mr. Birendra Kishore Maji

By: Khushboo Yadav



Department invited Mr. Jaspal Singh(AGM-BD) & Mr. Birendra Kishore Maji (AGM-Proposal), JITF Urban Infrastructures Ltd. New Delhi, part of OP Jindal group on 5th Oct. 2018 as an exercise for enhancing industry - institute interaction. They interacted with the students and faculty members Experts discussed on following topics

Waste to energy power plant:

Waste Processing /Pre-Sorting of Municipal Solid Waste (MSW):

Refuse Derived Fuel and Compost Generation

Compost Generation

An intuitive communication

with Prof. KN Srivastava,
(Vice Chancellor, Symbiosis University Indore)

By: Nikita Yadav



An Expert talk with Prof. KN Srivastava, Vice Chancellor, Symbiosis University Indore was arranged on 28th Sept. 2018 by the department with the faculty members of the department.

He discussed following topics :

1. Current scenario of education system.
2. Availability of good faculty in the institutions.

A Students- Industry Interface

(Batch: 2015-19) at Barclays' Noida

By: Tanu Singh



On 28th sept, 2018 department arranged a student's interaction with industry professionals at Barclays Noida.

All the students of final year visited along with Mr. Nitin Kumar Pal (Assistant Prof.).

Barclays is one of the top financial service companies in Noida. The main purpose of this interaction of students with industry professionals was to provide students a practical perspective of the work place. It helped to combine theoretical knowledge with practical knowledge. Students became more aware of industry practice and regulation during this interaction.

Technokriti-2018

By: Nikita Yadav



Technokriti_2018 was organized at G.L. Bajaj Institute of Technology and Management Greater Noida on 12th-13th October 2018, where number of students have participated in different event tracks. Mrs. Priyanka Datta, Assistant Professor coordinated the different tracks of the event.

Following were the tracks with number of participant :-

1. IPL Auction (55 students)
2. Circuit Designing (18 students)
3. MATLAB Master (5 students)

Peer to Peer interaction

By: Khushboo Yadav



To motivate students for innovation & skill development a peer to peer interaction was conducted by the department on 4th Oct. 2018. A formal interaction in the form of interview was arranged for second year students with final year students of the department. The interviews were conducted to determine the following attributes:

1. Attitude and approach of the students towards Innovation and Research.
2. How to come out of difficult situations.

Head of department along with Dr. Jay Singh were the main administrators of the whole activity. Final year students Yash Sharma and Harsh Agarwal were the students who took interviews. Both are currently working on a start up of their own. Six of students were selected to work upon the different projects.

Alumni- Students Interaction

(Mr. Siddhartha Srivastava)

By: Pankhuri Shrivastava



An Alumni- Students Interaction was organized by the department on 1st October, 2018. Our Alumni Mr. Shiddharth Srivastava, Senior Executive – Rane Group interacted with students where he shared his experience and transferred valuable information to the juniors.

Rane (Madras) Ltd is a part of the Rane Group of Companies involved in the manufacture and distribution of steering and suspension systems. The main components manufactured by the company include Manual Steering Gear Products (SGP) and Suspension & Steering Linkage Products (SSLP). The other products include tie rod assemblies, drag link assemblies, center link assemblies and gear shift ball joints. Automobile companies that use its products include Ashok Leyland, Volvo, M&M, Tafe, and Tata among many others.

Achievements by Students:

S.No.	Student Name	Type of Event	Organizing Society	Achievements
1	Shivam Shekhar	National Seminar: Distributed Generation and Power Quality	Institution of Engineers (Student Chapter)	2nd Prize
2	Sachin Priyadarshi	Model Presentation	Department of Science & Technology, India (DST)	2nd Prize
3	Shivam Shekhar	Model Presentation	Department of Science & Technology, India (DST)	2nd Prize
4	Deepika Yadav	Model Presentation	Department of Science & Technology, India (DST)	Consultation Prize
5	Trinesh Kumar Singh, Devbrat Pandey	International Conference (PEEIC-18)	IEEE	Publication
6	Shivesh Kumar Jha	Poetry Writing	Jindal Literature Festival-competition	2nd Prize
7	Yash sharma	Startup School	iBHubs	Selected as top 15 at National Level
8	Yash sharma	NEC E-summit	IIT Bombay	5th Rank (at National Level)

Achievements by Faculty:

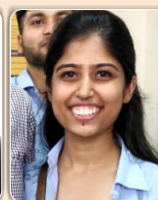
S.No.	Faculty Name	Type of Event	Organizing Society	Achievements
1	Dr. Jay Singh	_____	American Journal of Electrical Power and Energy Systems	Membership, editorial board
2	Mrs. Priyanka Dutta	Certification Course	NPTEL	Elite certification with 80% marks
3	Mr. Shivendra Kaura	Certification Course	NPTEL	In top 5% with Elite certification
4	Dr. Mohit Bansal	Certification Course	NPTEL	Elite certification with 87% marks
5	Dr. Jay Singh	_____	AL-FALAH Humanity Council New Delhi	Received excellent teacher Award for the service of the Community & the Nation
6	Mr. Anuj Varshney	Certification Course	NPTEL	In top 1% with elite gold certification

Placement Highlights

Appreciable number students are placed till now in highly reputed Multinationals. Some of the high gainers till Dec 2018 are :



DEVBRAT PANDEY
(Minda Industries Ltd.)



DEEPIKA YADAV
(Rane Group)



SHIVAM SHEKHAR
(Rane Group)



SACHIN PRIYADARSHI
(Capgemini)

Department Toppers



Shivangi Garg (82.4%)
(3rd year, 5thsem)



Shubham Kumar (81.2%)
(2nd year 3rd sem)



Devbrat Pandey (80.7%)
(4th year, 7thsem)

Departmental Updates



Mrs. Priyanka Datta and Mr. Anuj Varshney Asst. Professor has been selected as a PhD. Scholar (Part Time) at Delhi Technological University (DTU), Delhi.

Mr. Rajat Mehrotra Asst. Professor has been selected as a PhD. Scholar (Working Professional) at Gautam Buddha University, Gr. Noida.

We congratulate all of them on their success and wish them all the best in their future endeavors



Program Outcomes/Program Specific Outcomes

Engineering Graduates will be able to:

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Ethics:** An Ability to apply ethical practices and commit to professional ethics and responsibilities and norms of the engineering practice.
- 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.
- 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.
- 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.
- 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

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



G. L. Bajaj Institute of Technology & Management

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