

EEE-INSIDER



GL BAJAJ

Institute of Technology & Management

FIND YOUR SPARK

JULY-2019 to DECEMBER-2019

MESSAGE



Education is the basis of all progress. It is a matter of great pleasure and privilege for me to address all the readers through this newsletter published by the Department of Electrical and Electronics, GL Bajaj Institute of Technology and Management, Greater Noida. At GL Bajaj, we aim at grooming professionals who can efficiently manage unexpected obstacles and encourage them to succeed. We are responsible for cultivating and fostering the world-class professional and committed technocrats and managers who are qualified enough to address the global challenges of the hour. We concentrate on our intellectual capital in order to become respected assets in industries and diverse professional fields and to reach a peak of success. I believe that this newsletter offers a platform to see the full description of successes and progress made by the Department in academic and co-curricular activities.

Best Wishes,

-Mr. Pankaj Agarwal (Vice Chairman, GLBITM)



“Education is the most powerful weapon which you can use to change the world”.- Nelson Mandela

I am very glad to know that Department of Electrical and Electronics, GL Bajaj Institute of Technology and Management, Greater Noida is bringing out its departmental newsletter. The Department of Electrical & Electronics Engineering takes every possible step in offering students, and faculty, comprehensive opportunities for advancement by engaging regularly in numerous activities. This process of learning leads to innovations and then discoveries. At the same time we empower students to evolve as successful team players with good ethics, social skills and a strong desire to succeed. We also cultivate innovative problem solving capabilities within our students.

I believe that in new academic session also, Department of Electrical and Electronics Engineering will reach to new extremes. I wish every success to them.

-Dr. Rajeev Agrawal (Director, GLBITM)



“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, they 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 EEE department to this issue of 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.

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. RAM KISHORE AGARWAL (Chairman)
 Mr. PANKAJ AGARWAL (Vice-Chairman)
 Dr. RAJEEV AGARWAL (Director)
 Dr. MOHIT BANSAL (HOD)

EDITOR

Mrs. PRIYANKA DATTA

STUDENTS SUPPORT

- ✍ REDA ANSARI (3rd Year)
- ✍ RISHABH CHOUBEY (3rd Year)
- ✍ SANDEEP SHARAN (2nd Year)
- ✍ SAURABH SINGH YADAV (2nd Year)

NTPC-Electron Quiz

Department of Electrical and Electronics Engineering arranged a visit for NTPC Electron Quiz held on September 27th, 2019 for Regional level round.

Total 36 students participated in the Quiz. Some students got the prizes for the audience questions. Two students got the prize for posting funniest photos on their twitter homepage.



Faculty members and students at NTPC-Electron Quiz

Seminar on “Decoding Challenges of 21st Century Professionals”

Department of Electrical and Electronics Engineering organized a seminar on “ Decoding Challenges of 21st Century Professionals” on 5th November 2019. The resource person for seminar was Mr. Arks Srinivas, CEO, CL Educate Ltd., Delhi. Total 95 students attended the seminar. The outcome of seminar was the students learned the concept of the working environment & latest technologies that can be mastered to enhance their professional skills.



Students attending Seminar on “Decoding Challenges of 21st Century Professionals”

International Conference on “Power, Energy, Environment & Intelligent Control”

Second IEEE International conference on “Power, Energy, Environment & Intelligent Control” (PEEIC-2019) was organized on 18th & 19th October'19 at G.L. Bajaj campus. The conference was started by welcoming Mr. Gopal Krishna Saxena, Ex. Director-BSES Rajdhani Power Limited, Dr. Marc Quast ST- Microelectronics France, Dr. S.N. Singh (Vice-chancellor MMMUT, Gorakhpur), Dr. R.K. Pandey – Director General, NPTI, Ministry of Power GOI, Dr. Upasana Singh, University of KwaZulu Natal, Westville Campus, Durban South Africa, Mr. Pankaj Agarwal, Vice-chairman GL Bajaj, Dr. Rajeev Agrawal, Director GLBITM, Dr. Mohit Bansal, Conference Chair, Dr. Jay Singh, Conference Convener and HODs and other esteemed guests like Dr. H.P. Garg Former Professor-IIT-D, Mr. A. K. Tewari, Executive Director, (IOCL, India), Dr. Sohail Akhtar, Joint Secretary, MNRE Delhi, Hari Om Gupta, Director JIIT NOIDA, Virendra Amola - General Manager (Elect. Engg), ONGC, New Delhi.

The two-days conference observed ten technical sessions each day covering all the allied subject of the conference. More than 400 papers were received, where more than 100 papers were presented at the conference and selected papers will be published in IEEE explore. Dr. Rajeev Agrawal, Director-GL Bajaj welcomed the guest and said that the world of Power, Energy, Environment & Intelligent Control is an exciting area to work and we will continue to meet and bring high end technical minds together in forums like this. Speaking at the inception of the conference Dr. S.N. Singh (Vice-Chancellor MMMUT, Gorakhpur) said that such conferences provide a platform to share and discuss ideas through papers, exhibitions, plenary talks and gives an opportunity to update ourselves with the new innovations and products. Mr. A. K. Tewari, Executive Director, (IOCL, India) during his discourse at the conference said: “Enabling technologies have reformed the technical ecosystem by bringing not only enhanced features and amended timelines but above all a progressive role in saving our resources, energy and time.”

Dr. Marc Quast ST- Microelectronics France said that such conferences aims to bridge the gulf between the researchers working in academia and other professionals through research presentations. It reflects our growth in terms of technological advancement.

Dr. Upasana Singh, University of KwaZulu Natal, Westville Campus, Durban South Africa addressed on current scenario of power energy in South Africa and focuses on research as well. Also, Dr. Upasana requested to all participants to come her university with brilliant ideas on power sectors.

Mr. Pankaj Agarwal in his address said that it is a high time now to promote research activities among the nascent professionals to make this world a better place. Consequently, those who are linked with teaching and research related profession had to polish their professional expertise through such international conferences.

Conference Convener, Dr. Jay Singh concluded the conference with the vote of thanks to the esteemed guests and fellow researchers for sparing their time and making this conference a great success.



Few glimpses of PEEIC-2019

Expert talk of Dr. D.P. Kothari, Ex. Director i/c IIT Delhi

Department arranged an expert talk of Dr. D.P. Kothari, Ex. Director i/c IIT Delhi on 7th Dec. 2019, with the faculty members of the department. He shared his experience and motivated faculty members about Writing book, PhD guidance, Quality publication and Fund generation.



EEE faculty members with Dr. D.P. Kothari

FACULTY INTERACTION WITH OUTSIDE WORLD

S.No.	Name	Achievement/Certification	Duration
1	Dr. Jai Singh	Delivered an Expert Talk on “Existence of Industrial Automation & Control with Life Blood of Power Electronics”, during faculty development program on Industrial Automation at ITS Engineering College Greater Noida, U.P., India, 22 -26 July, 2019.	1 day
		Delivered an Expert Talk on “Role of Power Electronic in Renewable Energy Sources” during Faculty Development Program on Power Electronic in Renewable Energy, at ABES Engineering College, Greater Noida, U.P., India, 8 -12 July, 2019.	1 day
2	Mr. Kailash Sharma	Participated in “ Design Thinking for Strategy and Innovation” for the members of AKTU affiliated Engineering Colleges	3 days
		FDP on " Industrial Automation” organized by EEE Department, I.T.S. Engineering College, Greater Noida, U.P.	5 days
		Member of organizing committee in conducting “Summit Connect” jointly organized by SPIU - Uttar Pradesh and SPIU - Karnataka in association with BMS College of Engineering and Dr. Ambedkar Institute of Technology, Bangaluru.	2 days
3	Mrs. Priyanka Datta	Successfully completed Online certification on “DEEP LEARNING” with Elite certificate.	12 Weeks



Student Achievements

Mr. Saksham Tyagi and Mr. Vikrant Singh participated in 4x 400 Relay race at Dr. Abdul Kalam Sports Fest 2019-20 (Zonal level) held on 24-26 September, 2019 and secured 1st position in same. Also, Mr. Vikrant Singh participated in 800 m race and secured 3rd position at Dr. Abdul Kalam Sports Fest 2019-20 (Zonal level) held on 24-26 September, 2019.



Student Felicitation

Department Felicitate Shivesh Kumar Jha for securing 1st position in "DISRUPT" UDGAM-Annual entrepreneurship summit of IIT-Guwahati organized by EDC-IIT Guwahati.



Felicitation of Student by HOD, EEE

DEPARTMENTAL TOPPERS



Ashutosh Kumar Singh
EEE (7th Sem)
Percentage- 84.2%



Reda Ansari
EEE (5th Sem)
Percentage- 84.1%



Akshit Daga
EEE (3rd Sem)
Percentage- 89.1%

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 ones 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.

G. L. Bajaj Institute of Technology & Management

Plot No. 2, Knowledge Park-3, Greater Noida, U.P., Website: www.glbitm.org, College Code: 192