



GL BAJAJ

DEPT. OF ELECTRICAL & ELECTRONICS

GREATER NOIDA • MATHURA

➤ **E-NEWSLETTER**

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ENIGMA YOUTH FEST

BY DEVBRAT PANDEY



OVERALL GROWTH IS THE EFFECTIVE GROWTH

Enigma youth fest organized by the members of Enigma Club of Electrical and Electronics Department was the departmental event held on 6th and 7th October 2017. The event was organized under the guidance of Mr. Rajat Mehrotra. Series of events were organized by the members of the club. The motive of the event was to enhance the extra-curricular skills of the students other than academics. The event consisted of various events like Article writing, Speech, Singing, Gaming and Voice identification.

The topic of Article writing and speech was solely based on the social issues related to women empowerment and Right to education. Singing competition included both group as well as solo performance of the participants. The category of singing included Bollywood, classical and folk. Games included Mini Militia and Asphalt 8. The main highlight of the event was the newly introduced event which was The Voice Identification. This event was carried in four

rounds in which the voices of the famous personalities was played and the participants had to identify those voices in order to win.

The students of second and third year actively participated in the event. The event provided a platform to the students to explore their talent and inculcate a sense of focus towards extracurricular skills. The students of second and third year went through series of interaction with the faculty members. The faculty members were very supportive throughout the event. The event was managed by the coordinators of the event.

At last, prize distribution ceremony was carried out in which the winners received the suitable prizes by the faculty members. Altogether the event was a great success.

EEE INSIDER



JULY- 2017 TO DEC -2017

DEPARTMENTAL ACTIVITIES AT A LOOK



PHOTO COURTESY-ARNIMA RAJ SINGH

INAUGURATION OF NEW AUTOMATION LAB

BY- SACHIN PRIYADARSHI



AWARENESS TO AUTOMATION

WITH THE INCREMENT IN AUTOMATION METHODOLOGY ALL AROUND, PROPER AWARENESS TO IT HAS BECOME A VITAL NECESSITY.
(Dr. RAJEEV AGGARWAL)

APPROACH TO ANALYSIS

APPROACH TO DEFINING AND SOLVING A PROBLEM CAN BE REFLECTED BY ITS ANALYSIS.
(Dr. SN SINGH)

ADOPTION OF PRACTICAL SKILLS

KNOWLEDGE OF APPLICATION AND PRACTICALITY OF CONCEPTS CAN MAKE YOU STAND APART FROM THE CROWD.
(Dr. NK SHARMA)



GL Bajaj Institute of Technology & Management, Department of Electrical & Electronics Engineering has established an Industrial Automation Lab. Prof. (Dr.) S.N. Singh, Vice-Chancellor Madan Mohan Malaviya University of Technology Gorakhpur, U.P. has inaugurated the Industrial Automation Lab on dated 16th Sept. 2017. On this occasion, Dr. Rajeev Agrawal- Director-GLBITM, Dr. N. K. Sharma-HOD (EEE), HODs of different departments, faculty members, staff and students were present. Dr. Rajeev Agrawal welcomed chief guest Prof. S.N. Singh by presenting a Bouquet. In the welcome speech, he addressed the students towards the project awareness of automation and how the college is working in the direction of job and innovation orientated environment. Chief Guest Prof. S.N. Singh motivated the students. He emphasized that students must follow practical approach with proper analysis, do hard work and keep an eye on their goals. He also discussed the scope of automation in future. The increasing scope of PLC and SCADA were discussed by him. His ideology of gaining practical knowledge rather than bookish knowledge boosted the self-esteem of the students. At last, the doubt session was conducted in which relevant questions were asked by the students. The questions were thoroughly examined and all the doubts were cleared.

INDUSTRIAL VISIT TO NPTI

BY- SHIVAM SHEKHAR



On 10TH OF October 2017, Department Of Electrical & Electronics (EEE), GL Bajaj Institute Of Technology & Management, organized an industrial trip to National Power Training Institute, Faridabad for the students of 2nd & 3rd year of respective department to gain some practical knowledge and exposure in the field of energy generation and control. NPTI had been providing its dedicated service for more than four decades. NPTI has trained over 2,00,000 Power Professionals in regular Programs over the last 4 decades. NPTI is the world's leading integrated power training institute. NPTI is the only institute of its kind in the world with such a wide geographical spread and covering such wide gamut of academic and training programs in Power Sector. NPTI's committed faculty is providing excellent training in the Power Sector, which is the most important sector among various infrastructure sectors. Training provided by NPTI on generator Simulators has improved Plant Load Factor of generating Units, has increased the availability of Transmission & Distribution System.

The EEE Department is fully focussed on making its students worthy of the present industry requirement. Its main motive is to merge the engineering curriculum with the job oriented courses. Proper focus is given to make the students adaptable and aware of

current technology and innovation going all around in the field of electrical energy generation, transmission and distribution by arranging some workshops by NPTI faculties and trainees both inside and outside the campus. In the organized workshop, focus is given on imparting knowledge regarding different fields of energy generation including both conventional and non-conventional energy sources. Practical data analysis on change and shift in the dependency and reliability from non-conventional to conventional energy methods are shown using charts, graphs etc. software and equipment required for the proper study and knowledge of different renewable energy methodologies are enlisted like HOMER, DIGITAL WINDFARM etc. during the workshop programmes.

On the visit day, the students were introduced with the simulators used in power generation. The proper working and functionalities of the simulator was explained by the senior faculty member of the institute. Later, the working of turbine control unit was also elaborated by the faculty members of the institute. A generalised information regarding scope in Power System was also discussed and related information was provided to the students.



PHOTO COURTESY - AYUSH DAWAS



KNOW YOUR ALUMNI



Nikky Jha (2012-2016)

Inspired by his father making some science projects, Nikky Kumar Jha, at just 6 years of age, was curious to know 'How Stuff Works'. And the process of questions popping up in his mind would give him sleepless nights. He was curious on how man and machine interact, how machine gets connected to other machine, how machine gets connected wirelessly, what are the protocols that machines follow. Being born and brought up in a small village named Naya Tola in Bhagalpur, Bihar. Nikky lacked resources that could answer his quests. In 2008, Nikky Jha was awarded the Paryavaran Ratna by the Indian Centre of Wildlife and Environmental Studies in South Asia region.

Since 2010, Nikky Jha has attended eight international conferences as a scientist where he gets expert opinion on his research papers. His experimental research includes these following topics which aims at generating or developing:-

- **Generating Electricity from ashes**
- **Hybrid cell phone charger** - A charger that can charge a phone with electricity and without electricity. It uses all types of renewable resources of energy to charge the phone.
- **Electrical crepe band** - An elastic band that can cure your body and joint pain by providing soft frequency which penetrates skin and leads body to secrete pain relieving hormone.

VIGILANCE AWARENESS WEEK

BY - SACHIN PRIYADARSHI



The Central Vigilance Commission (CVC) has decided that this year the Vigilance Awareness Week would be observed from 30th October to 4th November, 2017. The theme of the week would be "My Vision-Corruption Free India" ("मेरालक्ष्य - भ्रष्टाचारमुक्तभारत")

Department Of Electrical I Electronics(EEE), GL Bajaj Institute Of Technology & Management too actively participated in the vigilance awareness week and organized a workshop for the departmental students.

The keynote speaker started with workshop as:

" The purpose of observing Vigilance Awareness Week is to educate the public at large about the corruption related practices and also educating them how to report about it. He said that it acts like a mass movement of involving people in saying no to corruption. Observance of Vigilance Awareness Week every year is part of a multi-pronged approach of the Commission wherein one of the strategies is to encourage all stakeholders to collectively participate in the prevention of and the fight against corruption and to raise public awareness regarding the existence, causes and gravity of and the threat posed by corruption. The Commission as part of a multi-pronged strategy to tackle corruption has been stressing on punitive, preventive and participative vigilance measures.

Organizations have been advised to conduct activities relevant to the theme both within their organization, and outreach activities for public/citizens. Activities to be conducted within the organization include taking of Integrity Pledge by all

employees, distribution of pamphlets/handouts on preventive vigilance activities, whistle blower mechanism and other anti-corruption measures, conducting workshops and sensitization programme for employees and other stake holders on policies/procedures of the organization and preventive vigilance measures.

Other activities include publication of journals & newsletters on vigilance issues, systemic improvements and good practices adopted for wider dissemination and awareness, conducting various competitions such as debates, quiz etc. for the employees and their families on issues relating to anti-corruption and the use of organizational websites for dissemination of employees/customer oriented information.

In the end, speaker made all the students to take a vow not and never to indulge in any sort of corruptive stuffs. Students too showed their interest.

BLOOD DONATION CAMP

On 17th October 2017, a blood donation camp was organized by Rotary club (Department of computer science & engineering) in the GL Bajaj college. The camp aimed at making an active participation of students, faculties and staffs and letting them know the benefits of blood donation.

Blood donation significantly has many advantages like purification of blood of the donor, regular health checkups of the donor, increase in availability of blood bank in hospitals and thus saving many lives.

" BLOOD DONATION IS THE ULTIMATE DONATION."

EEE Department too was involved in this very camp . The students and the faculty members showed their active participation in the blood donation camp. A thorough checkup of the donors were conducted by the doctors before the blood donation. The donors were accompanied by the voluteers . The donation camp is organized regularly in the college premises and there has been a considerable significant increase in the number of participation over the past few years.

Lastly, the donors were provided with a participation certificate to encourage their active participation.



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INVESTORS DILEMMA

BY- YASH SHARMA



The very first edition of "INVESTOR'S DILEMMA" event cum competition was organized on 11th August 2017 at G.L. Bajaj institute of technology and management in Greater Noida by EEE Department. This event has been first of its kind in the college. The event attracted attendees from all the branches and created a forum of discussion and knowledge. The event was technically supported by IEEE young professionals of IEEE U.P. Section. This event was very well attended. It received positive feedbacks, encouraging responses and comments after the programme, around 200 participants attended this programme. It seemed most of the attendees were in fact waiting for an event like this. The event was

managed professionally, it started and finished due on time. This event was designed to develop in individual the perspective of an investor & thus inculcating the ability to evaluate the potential of a startup by making you play the role of an investor. Helps you to be well prepared when an investor bombards both valid and invalid questions at you. Helps you analyze your own venture from a new perspective.

Shubham Saurabh & Vishal Anand, students of 3rd year, Department Of Electronics & Communication emerged out to be the winners and were rewarded a cash prize of Rs. 750.

This event also comprised of talks from experienced IEEE professionals with focused sessions and opportunity for participants to exchange ideas, challenges. The event was honoured by the presence of Chairperson, IEEE UP section, Dr. J Ramkumar, vice-chairperson Dr. Ashish Singh, secretary-Dr. Dilip Sharma & Dr. Rajeev Aggarwal-Director, GLBITM.



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"INNOVATORS HAVE TO BE OPEN.THEY HAVETO BE ABLE TO CHALLENGE THEIR OWN PRE-CONCEPTIONS."

PLACEMENT DETAILS OF 2014-2018 BATCH



HARSHIT PRAKASH SINGH
(UNO MINDA)



SAMIL SRIVASTAVA
(IBM & TRACTEL TIRFOR INDIA PVT. LTD.)



SHIVAM KUMAR
(PROLIFICS CORPORATION LTD.)



NEELMANI
(CHEMITECH ENGINEERS PVT. LTD.)



SHARIB JAWED
(BOSCH)



KANHAIYA SHARMA
(IBM)



MRITUNJAY THAKUR
(RANE GROUP)



VISIT TO RENEWABLE ENERGY INDIA EXPO

BY SACHIN PRIYADARSHI

A UBMEVENT



Department Of Electrical & Electronics organized a one day trip for the students of 2nd & 3rd year for renewable energy India expo, Greater Noida on 21st of September 2017. The motive of this trip was to make the students aware of the ongoing technical innovations and trends in the field of renewable energy and the urgency to move the dependency from conventional energy resources to vast existing renewables energy present all around.

The expo which aims to stress on green energy and means to generate it along with promoting global interest, international investments and technology breakthroughs, will host 45 countries including Japan, Germany, France, Poland, USA, Korea, China, Taiwan and more. It will also have over 750 exhibitors, 1500 delegates and estimated to attract over 30,000 trade visitors including companies like Tata Power Solar, Azure Power, Siemens Gamesa, Mitsubishi, Delta Electronics, Panasonic, Sterling and Wilson, Mahindra Sustain amongst others.

In a nutshell, REI 2017 is a marquee event in this sector with multiple country participation, best of technology, cost effective solutions, participation of industry leaders, various country delegation, top global brands exhibiting their product and solution offerings, and a content rich conference. The RE-Invest events were envisioned as global meetings to deliberate upon strategies for development of renewable energy.

The students too showed their interest by enthusiastically interacting with the different franchises involved for their technical promotion in the mart and were being prompted to make a career in the field of renewable energy, thus aiming at innovations and meeting the required energy demand of 175 GW by 2022.

TOPPERS OF ELECTRICAL & ELECTRONICS DEPARTMENT



SHIVAM SINGH PATEL
4TH YEAR (2014-2018)
6TH SEM(80.3%)



SHUBHAM DUBEY
3RD YEAR (2015-2019)
4TH SEM(85.3%)



ASHUTOSH KUMAR SINGH
2ND YEAR(2016-2020)
2ND SEM(89.91%)

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FIND YOUR SPARK

Plot No.2, Knowledge park-3, G.B. Nagar, Greater Noida

Tel: (O) 0120-2323818 Fax: 0120-2323

Website:- www.glbitm.org

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