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News Letter

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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YOUR
SPARK**



GUEST LECTURE ON RESEARCH TRENDS IN RF ENGINEERING AND IOT



On 15 December 2018, a guest lecture by Dr. S.K. Dubey (Scientist, Microwave Standards, ALSIM, CSIR- National Physical Laboratory, New Delhi) on "Research Trends in RF Engineering and IoT" was organized by the IEEE-MTT Chapter of Department of Electronics and Communication Engineering. During the session Dr. Dubey discussed about –

- Role of RF and microwave in 5G and IoT applications
- Details about 5G applications
- Challenges of 5G applications.
- Various applications of antennas like wearable antenna, antennas for medical purpose etc.

Approximately 35 faculties were present during the session. Whole seminar was very informative and interactive.



INDUSTRIAL VISIT TO ALTT CENTRE, GHAZIABAD



An Industrial Visit was carried out at ALTT Centre, Ghaziabad on 26th October 2018 for VIth semester (ECE) student. The main objective behind the visit was to make student understand

1. Telecommunication process.
2. Next Generation Network

Approximately 92 students of third year were taken to ALTT Centre, Ghaziabad along with some faculty members of the department.

The visit to ALTT Centre encompassed diverse technological domain and streams i.e. Mobile technologies (GSM, CDMA, 3G, 4G LTE Advanced and Wi-Max) and Next Generation Networks, which includes Working of Digital Exchanges, Soft Switching and IMS. Installation of substation for an industry was discussed and demonstrated. The whole mobile communication process was discussed. Application and need of Next Generation Network was made clear. It was a learning experience for all the students.

Whole visit was very useful.





CONFERENCES AND SEMINARS : ENTREPRENEURSHIP AWARENESS CAMP



27-28th Sep. 2018 Entrepreneurship Awareness Camp was organized by Dept. Of Electronics and Communication Engineering, GLBITM.

The main objective of the Camp was to make aware the students about the different areas of skills where they can establish themselves as Entrepreneur and create the job for others.

The very first session was started by Dr. Shailendra Singh , Scientist, at Nokia research. He explained the current scenarios in industry and the marketing strategies required for setting up start up as a career option. He talked about various career options and motivated the students to take maximum benefit of the growing nation by venturing in to entrepreneurship.

Followed by, Mr. S.K.Verma , Dr. N.P.Singh and Dr. Amit Sehgal explained the opportunities for youth in the field of engineering innovation and how to set up and registered a startup and what problems entrepreneur faced while setting up their own enterprise.

On the last day of the program Mr. Ankita Tyagi, Dr. R.S.Tyagi , Mr. Tarun Khurana and Dr. Pankaj Pathak shared their aspirations with us . All of their ideas and teachings were greatly reciprocated by the students.

Indeed it proved out to be a brain storming session for all the students where all got to learn and share their creatives on one platform.

At the valedictory session certificates were distributed to the participants by the distinguished guests.

The program was highly appreciated by the participants of 120 students in terms of entrepreneurship skill development. The students felt very passionate to turn their innovative ideas into reality.



CONFERENCES AND SEMINARS : VIBRANT GUJARAT STARTUP AND TECHNOLOGY SUMMIT -2018

On 27 August 2018, a session on “VIBRANT GUJARAT STARTUP AND TECHNOLOGY SUMMIT -2018” was organized by the Department of Electronics and Communication Engineering. At first Dr. Stayendra Sharma, HOD, ECE welcomed the guests and motivated the students regarding the entrepreneurship by saying a quote “Don't be a job seeker, be a job creator”. Then the MIC was handed over to Dr. B. R. Mishra, HOD, ME. He shared the opportunities and challenges of entrepreneurship. He explained the opportunities by taking the example of Walt Disney and challenges with the help of a survey done by times of INDIA. He also discussed about the reasons for the failure of startup which are as mentioned below –

- No market need
- Ran out of cash
- Not the right team
- Pushed by competition

Finally the guests of session were invited to start their session. At first Mr. Swaroop Pnadya, Associate startup support, Center for innovation incubation, IIMA, gave the introduction about the SUMMIT and he also gave some famous examples of entrepreneurship like UBER, OLA, Make MY TRIP etc. He explained about the whole process to participate in SUMMIT with new innovative ideas.

Then Ms. Kahani Seth, Vice President, ECO system, NXG ventures, started her session by introducing and discussing the grand challenges which are coming in this new era. She also shared the issues coming in startups by showing a movie on technology 2018.

Whole session was very informative and interactive. This session was attended by approximately 150 students of different departments.





National Seminar on Research Trends in Cognitive Radio & MIMO Communication System

On 27-28 November 2018, a national seminar on “National Seminar on Research Trends in Cognitive Radio & MIMO Communication System” was organized by the IEEE - MTT Chapter of Department of Electronics and Communication Engineering, Sponsored by Dr. A P J Abdul Kalam Technical University. On 27th November at first Dr. Stayendra Sharma, HOD, ECE welcomed the guests and then the Inaugural Talk was delivered by Dr. Rajeev Agrawal (Director, GLBITM) on “Advance Networks Generation Aspects”, during which he discussed about Cognitive Radio and Green Networks.



Then the guest of session Dr. S. Srinivasa Rao, Professor and Head, ECE, MRCET, Hyderabad was invited to start the session. His session was on “Recent Trends in Cognitive Radio”. The session was mainly focused on the practical aspects related to cognitive radio.

Third session of the day was taken by Dr. Jugul Kishor, Assistance Professor, NIT Delhi. Title of his session was “MIMO Antenna for 5G Applications”. He discussed about MIMO techniques and antenna design aspect.

On 28/11/18 Dr. Amit Sehgal (Associate Professor, GLBITM) started the first session on “Mobile Broadband QoS” and then the next session was handed over to Dr. Stayendra Sharma, HOD, ECE, GLBITM. His session was completely focused on Mobile Network Planning. Last two sessions of seminar were on Telecom Infrastructure- 3G to 4G and Next Generation Networks by Mr. Abhishek Gupta and Mr. Anil Kumar, ALTTC, BSNL, Ghaziabad respectively . Both the sessions were full of practical information.

Whole seminar was very informative and interactive. These sessions were attended by approximately 50 faculties from different colleges and departments.





FDP ON EMBEDDED SYSTEMS DESIGN USING ASIC/SOC AND FPGA

From 9th to 13th July 2018 a Faculty Development Program sponsored by Dr. A.P.J. Abdul Kalam Technical University Uttar Pradesh, Lucknow, was organized by Department of Electronics and Communication Engineering, GLBITM, Gr.Noida under ICEIT Student Chapter,

The aim of this course is to give a firm foundation in VLSI design and Embedded systems. In the current scenario, faculties in the majority of the institutions are lacking application oriented knowledge, lack of exposure to the latest technologies and lack of expertise on VLSI tools usage and Embedded System Computational Capabilities. This is due to lack of proper ECO system between universities and industry. Rich experience of the eminent speakers at premier institutes (IITs, NITs, IIITs, DTU .etc.) and Industries (DRDO, CSIR, QUALLCOM, INTEL...etc.) will make the participants feel the difference. We focus on giving industry oriented training; with hands on real-world applications for IOT based Embedded Systems and VLSI tools.

The complete FDP sessions are as followed

1. Nano Technology Design & Interconnection and Devices- Dr.BK Kaushik, IIT-Roorkee.
2. Radiation Hard Circuits (Digital/Analog)- Dr. G. Kaushal, ABVIITM-Gwalior.
3. SOC flow overview on Validation - Ms.Seema Chauhan, NXP Semiconductor, Noida.
4. SOC for DSP: A Prespective - Dr.Amrita Rai, GLBITM, Greater Noida.
5. Computer design & pattern recognition - Dr.D Vishwakarma, DTU-Delhi.
6. Hands-on Embedded System & Design - Mr. V Mishra, Tech. Aditya, GZB.
7. Embedded System Design & development and testing challenges - Prof. SPS Saini, CEERI-Pilani.
8. Hands-on ES Development boards - Mr.Anish Saini, IOT Consultant & Trainer, FBD.
9. Circuit Simulations - Mr. S Bhatnagar, Dellsoft-Delhi.
10. Hands-on Circuit Simulations - Mr. Shrawan kumar, Dellsoft-Delhi.

Finally all the sessions was concluded with discussion of their topic and at the end of session there was an open discussion, were all could resolve their queries.





Technical Events : TECHBLITZ 2K18

On 5th October 2018, a technical event TECHBLITZ 2K18 was organized by department of Electronics and Communication engineering. In which there were three sub events as TECHQUIZ, CIRCUIT HACKATHON and TECH HUNT for inter & intra college. A total of 280 students participated in the whole event from various branches and colleges.

Results of each event were as follow-

1. TechQuiz: Judged by Dr. Amrita Rao and Mr. Asish Tiwari.
Winner: Pradeep Singh & Pratik Kumar
Runner-up: Sparsh Kedia & Prashan Singhal
2. Circuit Hackathon : Judged by Mr. Dharmendra Nishad and Mr. Piyush Yadav.
Winner: Mrityunjai & Krishna Murthi Yadav (ECE, GLBITM)
1st Runner-up: Mayank Tiwari & Kumar Abhishek Rajan (ECE, GLBITM)
2nd Runner-up: Vikas Pratap & Tauqeer Alam (ECE, IITM)
3. Tech Hunt: Judged by Mr. Puneet Kumar Mishra and Mr. Pankaj Kumar Singh.
Winner: Malini Mukherji & Team
1st Runner-up: Kanishka & Team
2nd Runner-up: Harsh Raj & Tea





TECHNOKRITI-TECH-FEST

on 12 and 13 Oct, 2018 Tech-Fest "TECHNOKRITI" was organized in the College, in which Department Of Electronics and Communication Engineering organized E-waste Learning, PPT Presentation on Project based Learning and Practical based Learning and Debate Competition under Technical events. Approximately 39 students participated in the event from various departments of college. Students participated with full enthusiasm and good spirit.

E-waste Learning was won by Mrityunjay & Krishna Murti Yadav(ECE),the First Runner-up was Kanishka team (ECE), and the Second Runner-up Abhishek Rajan team(ECE). PPT Presentation was won by Saket Rai(Civil), the First Runner-up was Parth Bir (ECE), and the Second Runner-up Anup Kumar & Mohit Kumar(ME).

Debate competition was won by Purnima (EE), the First Runner-up was Rishabh Gupta (ECE) and the Second Runner-up was Saket Rai (CE).

The whole Competition was a huge success with such good participation of students and some awesome and brilliant performances.





Cultural Events : RAISE YOUR MIC-SINGING COMPETITION

On 2nd August, 2018 singing competition was organized by the Department of Electronics and Communication, in which total 24 students participated in the event from various departments of college. Students participated with full enthusiasm and good spirit.

The solo singing competition was won by Kapil Sharma (Mechanical Engineering) and Divya (Computer Science), the First Runner-up were Sarthak (Mechanical Engineering.), Vibhor(I.T.) and Arijit Singh (Civil Engineering) and the Second Runner-up were Abhinav Kashyap (Computer Science) and Shantanu (Mechanical).

The Duet Singing competition was won by Chandrima and Shubham Joshi (Electronics and Communication Engineering), the First Runner-up were Anindya Saha and Ananya Khare (Electronics and Communication Engineering) and the Second Runner-up were Akshay Kumar (Mechanical Engineering) and Arijit Singh (Mechanical Engineering).

The whole Competition was a huge success with such good participation of students and some awesome and brilliant performances.





TECHNOKRITI -Tech-Fest

on 12 and 13 Oct, 2018 Tech-Fest "TECHNOKRITI" was organized by the all the department of GLBITM, in which Department Of Electronics and Communication Engineering organized Face painting, Theme based drawing and ECE'S Got Talent under cultural events . Approximately 39 students participated in the event from various departments of college. Students participated with full enthusiasm and good spirit.

Theme Based Drawing competition was won by Divyanshu Kumar(ECE),the First Runner-up was Manisha Kumari (ECE), and the Second Runner-up was Sourabh Pal (ECE).

Face Painting competition was won by YashVardhan(Mechanical Engineering) and Aman Yadav (EEE), the First Runner-up were AkanshaVerma (ECE) and Ayushi Singh (ECE) and the Second Runner-up were Ritisha Singh (ECE) and Khushboo (ECE).



ECE'S Got Talent was won by Prince Raj (ECE), the First Runner-up was Ayushi Mukherjee(ECE) and the Second Runner-up was Shwetank (ECE).

The whole Competition was a huge success with such good participation of students and some awesome and brilliant performances.





Sports Day : ELECTRONICS PREMIER LEAGUE-CRICKET COMPETITION

On 11TH,12TH,21ST and 31st August, 2018 cricket competition was organized by the Department of Electronics and Communication , in which total 8 teams participated in the event from various departments of college. Teams participated with full enthusiasm and good spirit. They takes pledge to play fair game. The competition was won by "Mahadev-11" (Electronics Engineering),the Runner-up team was "Royal-11"(Information of technology).

The whole Competition was a huge success with such good participation of teams and some awesome and brilliant performances of players





Editorial Board

- Convenor** : Dr. Satyendra Sharma (HOD)
- Editor** : Dr. Amit Seghal Associate Professor
Dr. Dinesh Singh - Associate Professor
Dr. Shilpa Choudhary - Associate Professor
- Student Editor** : Ananya Khare (Sec-C) IIIrd Year
Pulak Anand (Sec-C) IIrd Year



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 (PEO)

On completion of this course, our graduates will be able to

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

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