



Vision of ECE Department

To produce skilled, socially –sensitized and globally competitive professional engineering graduates in the area of Electronics and Communication Engineering.

Mission of ECE Department

1. To provide quality and contemporary education through innovative teaching-learning process and effective resource utilization.
2. To develop responsive and socially sensitive engineer through research oriented practices.
3. To promote industrial collaboration for providing practical exposure leading to industry ready engineering graduates.
4. To open new vistas of learning for students through international collaborations.
5. To provide conducive environment through pre placement training and professional development activities for providing ample opportunities of placements, higher studies and entrepreneurship.

•Nothing is Impossible untill

You give Up...

TECHNICAL QUIZ



COMPETITION BY EPC

The Technical Quiz Competition was Organized Electronics Project Club , ECE Department on 26.07.2018 and 27.07.2018 at Block 1, ECE Department, CEC Landran. Technical quiz is organized in order to enhance the technical skill of third & fifth semester students. Total 70 students from the Electronics & Communication engineering department participated in this event. From this technical competition, students will be able to improve or expand their knowledge of things, either general or in specific

Project Under IEDC

A project named FARMER RELIEF SYSTEM has been created by Sushil Kumar, Aditi Thakur, Sankalp, Umashankar Under their Mentors Dr. Harbinder Singh, Dr. Sukhdeep Kaur.



EXPERT LECTURE BY ER.

HARISH VERMA



An Expert talk was organized for B.Tech 5th semester students of

AB,CD, EF Section in the seminar hall of ECED. The Guest Lecture was given by Er. Harish Verma of Samsung India Limited. He delivered the lecture on RF Planning & Optimization in which he explained how Optimization of Cellular networks is done using Drive test. He explained drive test software TEMS and told how to maintain signal strength. The speaker explained GSM/2G, UMTS/3G, Wimax-LTE/4G technologies, WiMax as well as LTE operator ion & OEM in detail. The speaker was Young, energetic, persuasive, proactive and presentable having a high degree of initiative, strong communication, analytical and excellent man management skills. 110 students of 5th Sem along with three faculty members & III- Cell Incharge Dr. Dinesh Arora attended the lecture .

RESREARCH PUBLICATIONS:

- Publications by Dr. Harpal Singh on Statistical Feature Based Image

Classification and Retrieval Using Trained Neural Classifiers on AUGUST 2018 and Detection of Mastitis Level in the Cattle: A review on SEPTEMBER 2018

- Dr. Dinesh Arora on Design & fabrication of compact frequency reconfigurable near circular slot Antenna for cognitive radio system Under Journal of advanced research in dynamical and control systems on September 2018
- Publications by Dr. Pooja Sahni on Nature Inspired Approach based Energy Optimization using Dynamic Clustering in Wireless sensor network International Conference on Computing, Power and Communication Technologies (GUCON) on September 2018
- Publications by Dr. Sukhdeep kaur on Nature Inspired Approach based Energy Optimization using Dynamic Clustering in Wireless sensor network on September 2018
- Publications by Dr. Rinkesh Mittal on Design & fabrication of compact frequency reconfigurable near circular slot Antenna for cognitive radio system under Journal of advanced research in dynamical and control systems on September 2018



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TECHCOMM PROFESSIONAL SOCIETY ORGANIZED YOUTH

PARLIAMENT 2K18



Techcomm Professional Society of Electronics & Communication Department organized Youth Parliament 2k18 on 10th August, 2018 in the seminar Hall of C.V. Raman Block. The topics for debate were 4 Years of BJP Government and BJP in 2019. The competition started at 9:25am in the morning which was inaugurated by the Head of ECE Department along with Faculty and Student Coordinators of Techcomm Professional Society (a Government of Punjab registered society).

Approximately 65 Students of the department participated in the competition. The objective of this competition was to develop excellent critical thinking skills of the participants because debate sharpens the ability to research and analyze problems, think and listen critically, express the thoughts clearly and fluently, and better understand public affairs. Winners were awarded with Cash Prizes trophies and certificat

TATVA 2K18



TPS-ECE DEPARTMENT organized its annual department fest TATAV 2k18 ON 30TH AUG 2018 where students of 3RD ,5TH AND 7TH SEM participated in various cultural events organized in the auditorium.Dr S.C Jain Ex chairman-Dept of chemical engineering and Mr R.C Sharma ,regional director DRDO were the chief guest for the occasion. Honorable Chairman Sir,CD sir and many dignitaries graced the occasion with their presence and gave

valuable thoughts to the students .The students also showcased their projects .Also award ceremony for the prize winner of Tech/Non tech-events for students of various Polytechnic colleges and from Inter-Department of CGC took place. TATVA 2k18 ended up with a splendid showcase of talents by students of ECE Department of CGC.

RECENT TRENDS



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AUTOMOTIVE

We are seeing many, many developments aimed at improving technology in both human-driven and autonomous cars. This market is providing significant opportunity for organic light-emitting diodes (OLEDs) – they can be used to create better, more vivid displays, heads-up displays, and curved displays, which, thanks to OLEDs' flexibility, can be placed in unique ways to avoid destroying the design/appearance of the dashboard area. In autonomous cars, the front dash won't need displays, as no one will be sitting there – even Tesla's Model 3 has no displays directly in front of the driver; the only display is in the center console. Thus, the inside of the car will more resemble an office or sitting room, with displays that can create a conference room atmosphere, others that can be used for writing surfaces, etc. The type of display will change because the needs will be different – they will likely also be adapted to respond to verbal commands and gestures, and they'll use AI to anticipate users' needs. While autonomous cars have received negative attention of late, they are still happening, and displays will evolve to meet the new needs in this space.

STUDENTS ACHIEVEMENTS

- Nishant Duhan achieved BRONZE in Badminton at PTU University.
- Kaustubh Dhasmana achieved SILVER in Basketball At PTU University.
- Vandana achieved GOLD at PTU University.
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PATENTS FILED BY ECE DEPARTMENT

- DEVICE FOR THREE DIMENSIONAL IMAGE/VIDEO DISPLAY
- REAL TIME ANTI THEFT SYSTEM
- METHOD FOR SAFETY OF AIRCRAFT
- USER VERIFICATION METHOD FOR SECURITY PURPOSES
- A BIOMETRIC WHEELCHAIR CONTROL SYSTEM
- IMAGE SEARCHING SYSTEM AND A METHOD FOR THE SAME
- REAL TIME CELLULAR TRACKING SYSTEM
- STREET LIGHTENING SYSTEM

EDITOR'S MESSAGE



I want to extend my sincere thanks to my editorial team, all teaching, non teaching staff, students for the support to make the newsletter ELECTRIC FLASH issue-2 stand out. The editorial board welcomes the comments and suggestions to improve the quality of newsletters

Editor

Chanpreet Kaur

Student Editor's Message



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It is a great privilege for me that I am giving my contribution to my department. By keeping the records of all the activities That is technical as well as non-technical that have been held in the department of Electronics and communication.

Nitesh (1703080)

6th Semester

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