

## **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 engineers 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 a conducive environment through pre placement training and professional development activities for providing ample opportunities of placements, higher studies and entrepreneurship.

**Announcement:** Outcome Based Education (OBE) has been Introduced from the upcoming session 2016-17. Course Outcomes (COs) of all courses leading to the attainment of Program Outcomes (POs) & Program Specific outcomes PSOs will be evaluated.

## **GUEST LECTURE ON: “IDEAS OUR CERTAIN SOURCE OF SUPPLY”**

The Guest Lecture on "Ideas our certain source of Supply " was organized in the auditorium of CGC on 7<sup>th</sup> of April, 2016. The lecture was given by **Mr. Sushil Lekhi**, member CSB Lectureship. The lecture was about how ideas can be converted into reality and how it can be molded into a source of supply. The Event was attended by 10 delegates from outside, 20 Faculty members from ECE department, B.Tech 6th sem students, B.Tech 7th Sem students & M.Tech 2nd sem. Students and The Honorable Chief guest of the event was Dr. Maitreyee Dutta, HOD ECE, NITTTR, Chandigarh.



*“If you think education is expensive, try ignorance”*

## FAREWELL 2016

Farewell was organized on 18<sup>th</sup> of May 2016 at CGC; LANDRAN canteen .It is a way of actually saying a bye to our graduating seniors. As they are going to start a new phase of life and saying bye to college life. It can also be known as a ‘grand party’ celebrated with great joy and enthusiasm the whole batch partying together, gaming together as officially it will be their last meeting with each other . This day means a lot to the passing out batch as new phase of life starts here as a graduate. Everyone is going to miss the fun they had in the college as students which they will be missing as a professional and it was very hard for them to say goodbye to their friends. At the end we pray that each of the students “go confidently in the direction of their dreams! And live the life they have imagined.”



## RECENT TRENDS IN ELECTRONICS

**Artificial intelligence (AI):** AI is the simulation of human intelligence processes by machines, especially computer systems. These processes include learning (the acquisition of information and rules for using the information), reasoning (using rules to reach approximate or definite conclusions) and self-correction. It emphasizes the development of intelligence machines, thinking and working like humans. For example, speech recognition, problem-solving, learning and planning. UNC-Charlotte is also one of the most affordable choices for students pursuing a computer science degree in artificial intelligence. The UNC-Charlotte Department of Computer Science offers a Bachelor of Science in Computer Science with a Concentration in AI, Robotics, and Gaming. The AI would have a low error rate compared to humans, if coded properly. They would have incredible precision, accuracy, and speed. They won't be affected by hostile environments, thus able to complete dangerous tasks, explore in space, and endure problems that would injure or kill us.



## PATENTS FILED

- “Electro Tiles”.
- “GLIDER WITH AUTOMATIC WING UNFOLDING MECHANISM”.

## GUEST LECTURE ON "ETHICS ON WORKPLACE"

Guest Lecture on "Ethics on Workplace" Organised by Electronics and Communication Engineering Department of Chandigarh Engineering College (CEC) on 01-06-2016. The Venue of the guest lecture is on Auditorium. This guest lecture will be delivered by Mr. Sushil Likhi, CSB, member, Board of Lectureship, The first Church of Christ Scientist, Boston, Massachusetts. He explained how to deal with different situations in the workplace. A useful skill when it comes to ethical situations is perspective-taking. Rather than casting your colleague as bad, seek to understand the reasons behind her actions. Typically, people have an understandable (if not defensible) motivation. Your finance colleague may be fudging the numbers because he wants to make his boss look good or he's afraid of losing his job. Put yourself in your colleague's shoes and try to understand what he's trying to achieve.



## FACULTY ACHIEVEMENT

1. Paper written by Dr. Paras Chawla with title "A novel approach of design and analysis of fractal antenna using a neurocomputational method for reconfigurable RF MEMS antenna" is published in SCI indexed journal i.e. Turk J Elec Eng & Comp Sci.
2. Dr. Harpal from ECE department has published his paper "Hybridization of Discrete Wavelet and Singular Value Decomposition using Redundant Wavelet for Robust Video Watermarking" in scopus indexed journal.
3. Dr. PS Mundra has published his paper "A Review on QOS Parameters in Cognitive Radio Using Optimization Techniques" under "International Journal of Engineering and Innovative Technology" On JUNE 2016.

## PTU POSITON

Students has once again excelled in academics by grabbing the merit position in PTU. Amita Goel scored 86.7% and grabbed the 7th position in PTU. One other student Diksha Singla from B.tech ECE grabbed 9th position in PTU by scoring 86.41%.

## MESSAGE BY EDITOR

Once more, it is with immense pleasure that I was given the opportunity to work on the 2<sup>nd</sup> issue of ECE newsletter. As we all know, a newsletter mirrors a college's vision and mission. It also highlights events, activities and academic prowess and achievements. In this edition, I have tried to capture the last 3 months of excitement and activities. I do hope that the newsletter encourages many more students to use it

# ELECTRIC FLASH

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as a platform to express their creativity. I sincerely hope that this edition makes for an interesting read. Please feel free to offer any suggestions for improvement.

Sincerely  
Chanpreet kaur

**Chief Editor: Ms. Chanpreet kaur**  
**Editor: Ms. Anjana Sharma**  
**Student Editor : Chetan, Rubal**