



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

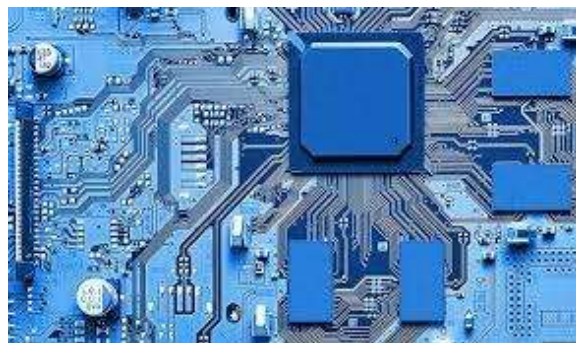
ELDERS DAY By EPC Club



Elders day is celebrated on 1st October as the International Day For Elderly People. The Initiative of celebrating this day was taken in 1990 by the United National General Assembly. In CGC Landran, this event is celebrated as a social Event in order to focus on the importance of senior citizens. The Whole Event was of One day and It was attended by All the students and the Senior citizens. The whole Event was organized by Project club of ECE Department. The day is celebrated every year to make certain the welfare of elder persons as well as to enroll their significant involvement in the society to get promoted from their knowledge and ability.

Recent trends

2D-ELECTRONIC



Interest in the field started with the discovery of graphene, a structural variant of carbon. Carbon atoms in graphene form a hexagonal two-dimensional lattice, and this atom-thick layer has attracted attention due to its high electrical and thermal conductivity, mechanical flexibility and very high tensile strength. Graphene is the strongest material ever tested. In 2010, the Royal Swedish Academy of Sciences decided to award the Nobel Prize in Physics to Andre Geim and



Konstantin Novoselov for their “groundbreaking experiments” in graphene research. Graphene may have started this 2D revolution in electronics, but silicene, phosphorene and stanene, atom-thick allotropes of silicon, phosphorus and tin, respectively, have a similar honeycomb structure with different properties, resulting in different applications. All four have the potential to change electronics as we know it, allowing for miniaturization, higher performance and cost reduction. Several companies around the globe, including Samsung



and Apple, are developing applications based on graphene.

EXPERT TALK ON ARTIFICIAL INTELLIGENCE

An Expert talk was organized for B.Tech 5th semester students and M.Tech. Students of First sem and Third Sem in the seminar hall of ECED. An Expert talk was organized for B.Tech 5th semester and M.Tech. Students of First sem and Third Sem in the seminar hall of ECED. The Guest Lecture was given by Mr. Gurmeetsharma of EurekaElectro soft solutions private limited, Mohali. He delivered the lecture on Role of Artificial Intelligence in Electronics in which he explained how each and every thing is related to the domain in the form of trained mind neurons. It is a branch which aims

to develop intelligent computer machines. It is a technology which is able to perform tasks which normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages. The scope of Artificial Intelligence was explained in developing the machines in game playing, speech recognition machine, language detection machine, computer vision, expert systems, robotics and many more.

RESEARCH PUBLICATIONS

- “Mobile ad-hoc cloud architecture and security” **under** “IJRECE” on DECEMBER 2017.
- “Fuzzification based intra vehicular communication in VANETs” **under** IEEE International Conference On OCTOBER 2017.
- “An effectual analysis on energy aware clustering approach in wireless sensor networks” **under** “IJCBR” on NOVEMBER 2017.
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YOUR
ATTITUDE

DETERMINES YOUR

DIRECTION



STUDENTS ACHIEVEMENTS

- Manish Negi participated in IISF – National Startup Summit at Anna University, Chennai.
- Kapil Jain participated in Microsoft Student Ambassador at IIT delhi.



INDUSTRIAL VISIT TO PCL

An Industrial Visit was organized for B.Tech 4th semester students at Punjab Communication Ltd, Mohali. PunCom is a leading manufacturer and supplier of telecommunication and IT equipment and solutions in India. Its diverse product range covers Voice/Data Multiplexers, Power Plants, Optical/Transmission Equipment, Digital Radios, PLCC, Broadband Equipments and services. It caters to the growing telecommunications, networking and broadband needs of major organizations and service providers in the country including BSNL, MTNL, Railways, Power sector, Defence, Private sector, Private service operators, corporates etc. The students visited the production unit, Transmission assembly plant and SMPS manufacturing plant. A prototype of the V Mux Lan card is shown to students.

FACULTY ACHIEVEMENT

Paper written by Dr. Dinesh Arora working as professor in ECE Department with title Fuzzification based extravehicular published in Scopus index general and also presented in IEEE conference. He has published more than four papers in Scopus index general this year also approximately sixteen papers are published by faculty in Scopus index general.

PTU TOPPERS

- In the 3rd Semester, “Aroreen Siddiqui(1602638)” achieved 8.69 SGPA.
- In 5th Semester, “Aayshi Sharma(1503084)” achieved 9.44 SGPA.
- In the 7th Semester, “Shikha Chawla(1406150)” achieved 8.9 SGPA.
- In the 1st Semester, “Huma Guhar(1703019)” achieved 9.11 SGPA.

MESSAGE BY EDITOR

Usually we fail to appreciate the good deeds of many people and activities that happen around us as we are engaged in irrelevant talks and assumptions. It could all change if we just pause to think of what is our contribution to the society from which we have been gifted with this blessed life. The progress of society mainly depends on many people who are working behind the scenes, overtime round the clock planning things to the smallest. This newsletter will be a medium to provide proper acknowledgement and respect all of these efforts and its results.





ELECTRIC FLASH

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Sincerely
Chanpreet kaur

Chief Editor: Ms. Chanpreet Kaur

Editor: Ms. Anjana Sharma

Student Editor : Chetan,Rubal