



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

WORKSHOP ON MOBILE DEVELOPMENT USING ANDROID



A workshop was organized for B.Tech 1st and 4th semester students at Block 1. the workshop was conducted by Eureka Electrosoft Solutions Pvt. Ltd. On the topics of Android app development and interfacing it with the embedded system and robotics. Arduino is introduced to 1st year students with the basic interfacing with the motors, lcd, led and buzzer and android app has been developed by them to connect it with the robots using bluetooth and second year students were already introduced with the topics so they got platform to clear their doubts. The workshop was one day. The venue of that workshop on Block – 1 Lab 7/13. The workshop was organized by Electronics project club/ECE/CEC on 08.04.2017.

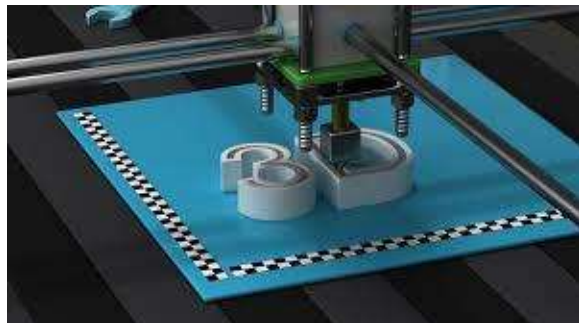


INDUSTRIAL VISIT AT WONDER SYSTEM



An Industrial Visit was organized for B.Tech 3rd semester AB students at Wonder Systems Pvt. Ltd., Mohali. Wonder automation is a company engaged in providing automation solutions with PLCs, SCADA and AC and DC Drives to Industry. The company is also providing electrical panels to industry. The students visited the production, testing, and Research Lab of the company. The industry was one day. The visit was organised by ECE Department and attended by Mr. Hardeep Saini, Ms. Preeti Bansal and B.Tech 3rd sem students of Group-A+B on 27.06.2017.

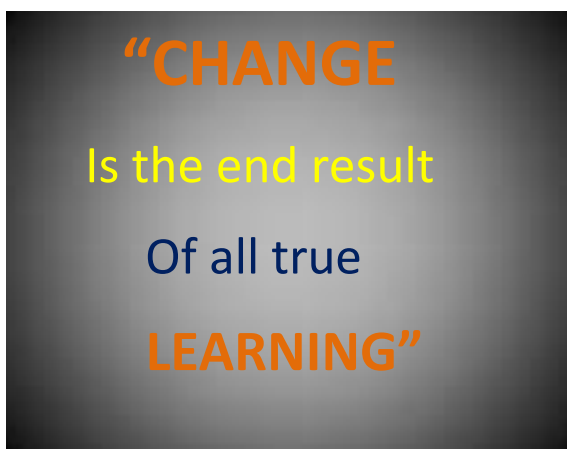
RECENT TRENDS 3D PRINTING



3D printing encompasses many forms of technologies and materials as 3D printing is being used in almost all industries you could think of. It's important to see it as a cluster of diverse industries with a myriad of different applications. A few examples: clear aligners / braces in dentistry eyewear architectural scale models & Marquette' prosthetics movie props design (lamps, furniture etc) reconstructing fossils in palaeontology replicating ancient artefacts in archaeology reconstructing bones and body parts in forensic pathology reconstructing heavily damaged evidence retrieved from a crime scene.

EXPERT TALK BY PCL

An expert talk 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 Equipment 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 V Mux Lan card is shown to students. The venue of that expert talk Seminar hall of Block - 1. The event attended by Mr. Hardeep Saini, Mr. Rakesh Gandhi and B.Tech 4th sem students of Group-KL and organised by ECEC department on 07.04.2017.



RESEARCH PUBLICATIONS

- “A Review on Various Techniques of Image Forgery Detection” **under** “ICRTSM-2017 (Confrence), Published in IJETSR” on APRIL 2017.
- “Performance Analysis of Routing Algorithm in 2D Mesh Based NOC using SVM” **under** “International Conference RICSIT 2017” on MAY 2017.
- “A RESEARCH ON NON COOPERATIVE HYBRID SPECTRUM SENSING TECHNIQUE” **under** “IJECET” ON MAY – JUNE 2017.
- “heart risk prediction system based on supervised ANN” **under** “Springer -ICRAC 2017, LNNS springer book series-Lecture Notes in Networks and System” On MAY 2017.
- “Artificial Neural Network Optimization by a Hybrid IWD-PSO Approach for Iris Classification” **under** “International Journal

of Electronics, Electrical and Computational System (IJEECS)” on APRIL 2017.

Faculty Achievement

- A Laxmi Publication of Book Title “Communication System” has been authorised by Nidhi Chahal.
- Professor Dr. Harpal in the ECE department set a benchmark by publishing no. Of papers in SCI and scopus indexed journal. His research findings available as “Radial vectored features for pattern enveloping and retrieval” In Journal of Optoelectronics And Advanced Materials have been published in SCI indexed journal.

COLLEGE TOPPERS

- In the 2nd Semester, “Pankaj Kumar (1602781)” achieved 8.96 SGPA.
- In the 4th Semester, Aayushi Sharma (1503084) achieved 9.52 SGPA.
- In the 6th Semester, Sanjot Chawla (1406150) achieved 8.9 SGPA.

MESSAGE BY CHIEF EDITOR

The Editorial Board is a standing committee of the college which shall publish the college newsletter as a quarterly publication concerned with providing regular means of information and communication among staff and students of the institute. The purpose of the newsletter is to disseminate in a convenient form news about the activities and developments of the college, achievements of the staff and students, events



organized and attended, competitions participated and won, current technological developments, and above all, to provide a platform for the faculty and students to dig out and expose their hidden literary talents and creativity with the sole aim of encouraging diversity in authors, points of view, articles - technical & philosophical in nature, poems, short stories with moral messages and any other material of academic importance.

Chanpreet Kaur

Chief Editor : Ms. Chanpreet Kaur

Editor : Ms. Anjana Sharma

Student Editor : Chetan,Rubal