

# Institutional & Industry Interface Cell

## Department of Electronics & Communication

### Objective of III-Cell

The Institutional Industry Interface Cell (III-Cell) of the college is a dedicated cell to promote the interaction of industry and various departments of the institute. To bridge the skill gap and to sustain in the changing scenario, there is great need of an efficient Institution Industry Interface.

One of the major challenges faced by academic institutions is to get students placed in reputed companies with high packages. However the industries want the employees having exposure on existing state of art technologies. So, in order to meet the requirements of industries & produce talent as per their need, III-Cell is established.

### Roles & Responsibility

1. To scale up the students to meet the growing demand.
2. To bridge the gap between the industry & academia
3. To excel students in various domain of engineering & to relate theory with practice
4. To familiarize students about the industrial world during study time.
5. To develop good work culture among students by organizing lecture / workshops/seminars & industrial visits from industry.
6. To create an industry-ready product.

### Institutional Industry Interface Cell involves:

1. Industrial Visits
2. Industry oriented Expert talk
3. Seminars/ Symposia from industries
4. Workshop
5. Industrial Training /Internship
6. MOU
7. Industry Academia Interface

### Core Team Members from ECED

Under the expert guidance of Chairman, III- Cell , Mr. Navneet Singh , Prof.(Dr.) Dinesh Arora is working as key member from ECE & Member secretary of III Cell , further following Team members from ECED are working for the smooth conduct of all the activities of the department.

Sr. No.	Name	Designation	Role
1.	Dr. Dinesh Arora	Professor	Member Secretary & Incharge IIIC – ECE
2.	Dr. Parveen Singla	Professor	Member
3.	Dr. Bhawna Tandon	Associate Professor	Member
4.	Ms. Ramanpreet Kaur	Assistant Professor	Member
5.	Ms. Ashima Kalra	Assistant Professor	Member

Thus, bridging gaps between the industry and academics is a primary responsibility of this cell. IIIC helps to prepare students for industrial world by providing pre industrial cum job environment in or outside the campus so that they can be easily adapted in the market after the completion of their 4 year degree course. It encourages students to work on platform which is the current demand of industrial world.

## **Companies where ECE students are getting Training/Internship**

Our students are getting training from various companies of repute like DRDO, ISRO, CSIO, TBRL, Microtek, SCL, Puncom, Luminous Reliance India Ltd, Airtel ,Idea, HFCL, BSNL, Jet King, SLR Infotech, Philips, HCL,TCS, Infosys Ltd, Wipro Technologies Ltd, L&T Infotech Ltd, Oracle, Dell Services, BEL, Capgemini India Pvt Ltd and many more.....

### **Industry supported laboratories/ MOU's:**

The department has strong relations with the industry community and established various industry supported laboratories which helps in skill enhancement of the students. Following are the details of Industry supported laboratories:

#### **1. Texas Instruments (Project Lab)**

- The laboratory supported by Texas Instrumentations, USA houses industry sponsored projects and facilitate the students for major projects.
- The laboratory can be used by students of all engineering disciplines.

#### **2. Advance Technology sponsored (Embedded Lab)**

- An Embedded systems lab supported by Advance Technology Ltd, was set up in the department to support hands on projects at undergraduate level.
- Also facilitate the students to do filling patents in embedded field, support research and development at post graduation level completion and completion of minor & major projects.

#### **3. Eureka Electrosoft Solutions Private Limited( Machine Vision Lab)**

- Eureka Electrosoft solutions private limited signed an MOU with Chandigarh Engineering College, Landran for technical transfer and knowledge up gradation of new technology products to faculty and technical trainees.
- Further, this will help in setting up facility lab for B.Tech. and M.Tech. courses. Students get to work on live projects, ideas and knowledge sharing projects in the department itself.
- With the help of said company, department has established Machine Vision lab which has generated many research papers under the guidance of faculty incharge and using the present lab facilities.

#### **4. Delbrec Industries Private Limited**

- The Delbrec Industries Private limited has signed a MoU with Chandigarh Engineering College, Landran, to share knowledge, organize workshops, Entrepreneurship, Industrial visits and Trainings for the faculty /students.
- Under this MoU, assistance/guidance will be provided by both the parties for R&D Projects, engineering consultancy, patent guidance & support, consultancy etc.

#### **5. Fly-X UAV Pvt Ltd (Drone Lab)**

- The Fly-X UAV Private limited has signed a MoU with Chandigarh Engineering College, Landran, to develop/explore an interest in students on Drones or Unmanned Aerial Vehicle, to organize workshops, Entrepreneurship, Industrial visits and Trainings for the faculty /students.
- Under this MoU, assistance/guidance will be provided by both the parties for R&D Projects, engineering consultancy, patent guidance & support, consultancy etc.

## **Companies for various Industry Interaction:**

Industrial visits, Expert talk , workshop , seminars & symposia are arranged every semester for all the students of department to make them familiar with the industrial environment. These activities are arranged in almost all undergraduate program that contribute to the achieve various essential learning outcomes and program objectives. Goal is to increase student's awareness of the corporate world hands-on activities

The name of some Companies are : Microtek, Baddi Semiconductor limited , Punjab communications limited, Prasar Bharti Doordarshan Chandigarh, Bharat Electronics limited , Luminous India Limited , Continental Devices India Limited , Philips, HCL, Infosys, Deltron, Mars Edpal Instruments Limited, Eureka Electrosoft solutions private limited , Advance technology , Wounder system private limited , Siemens Panchkula, Pushpa Gujral Science city, VT Technologies, BSNL, Ericsson, CSIO, DRDO and many more.

**Roadmap for next Academic year:** It gives us immense pleasure that our industry institute interaction cell is delivering very good results which are leading to the placement of the students & we promise to maintain & increase the activities for the subsequent years also. We are planning new MOU's, new Industries for Consultancy & industrial visit and good no of expert lectures in Electronics & communication field in this academic year