



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.

HANDS-ON WORKSHOP ON “AI ML WITH PYTHON”



To acknowledge the students with the practical application related to “AI-ML with Python”, Electronics Project Club, Department of Electronics and Communication Engineering and IIIC Cell organized 1- day workshop in hybrid mode with Mr. Aanchal Mittal (Solitaire Infosys, Mohali) on 25th November 2022. About 35 students of ECE department attended the workshop. This event was organized to provide hands-



on session experience to students on AI ML using Python. The students practiced on Basic python programming, GUI with python, dJango, libraries and frameworks and website development. The expert highlighted the future of software & automation to be based on data analysis and driven further by AI & ML. The workshop was concluded by an insightful Q/A Session where the students further asked and clarified their queries on the same.

FACULTY DEVELOPMENT PROGRAM ON “MATLAB – ARTIFICIAL INTELLIGENCE & OPTIMIZATION TECHNIQUES”



- ECE Department organized 5-days Faculty Development Program on “**MATLAB – Artificial Intelligence & Optimization Techniques**” through ICT mode, sponsored by NITTTR Chandigarh from 21/11/2022 to 25/11/2022.
- This programme was intended to provide the participants a common platform to share the knowledge, experience in the areas of Artificial Intelligence and Optimization Techniques using



MATLAB. The experts from renowned institutes like NITTTR Chandigarh, IIT Roorkee, CSIO Chandigarh, PEC Chandigarh and others shared their expertise with the faculty members on the topics like Soft Computing Techniques, Bio-inspired Optimization Techniques, Latest Features of MATLAB & Simulink, Shallow Neural Networks in MATLAB, Hybrid Neuro-Fuzzy Systems, Differential Evolution Algorithm. The FDP was attended by faculty members of the host institutes and other institutes. At the end of the programme, the participants were able to understand the significance and applications AI and Optimization techniques using MATLAB.

FEMININE HYGIENE AWARENESS ACTIVITY ON 19 OCT'2022



NAME OF FACULTY MEMBERS: Ms. Rachna Manchanda, Ms. Ashima

Student Coordinators: Alisha Sharma, Akanksha Negi, Ishika Sharma

The students and faculty of Electronics and Communication department enthusiastically visited Government High Model School at Balongi for Pre Parivartan event dedicated to event's theme – Innovate , Create and Celebrate. They interacted with girls and had a



session on Feminine hygiene awareness. Interaction was with the girls of 8th and 9th standard . The girls got to know about new tech innovations and different ways to maintain intimate hygiene. Girls actively participated and shared their experience. Mementos were given to Principal mam and coordinator mam.

FEMININE HYGIENE AWARENESS ACTIVITY ON 20 OCT'2022

NAME OF FACULTY MEMBERS: Ms. Rachna Manchanda, Ms. Aashima, Dr. Kuldeep

Student Coordinators: Alisha Sharma, Akanksha Negi, Ishika Sharma



The students and faculty of Electronics and Communication department enthusiastically visited Government High Model School at Manimajra for Pre Parivartan event dedicated to event's theme – Innovate , Create and Celebrate. They interacted with girls and had a session on Feminine hygiene awareness. Interaction was with the girls of 7th, 8th and 9th standard. The girls got to know about new tech innovations and different ways to maintain intimate hygiene. Girls



actively participated and shared their experience. Mementos were given to Principal Ma'am and coordinator Sir.



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1318, NAC Rd, Morigate, Sector 13, Chandigarh, Haryana 160101

SCI/SCIE PUBLICATIONS

Many of our Faculty members have published research papers in SCI and SCIE Journals.

- Ashima Kalra, "Blockchain based energy efficient multitasking optimistic scenerio for mobile edge computing", Peer J Computer Science Oct 2022.

FACULTY/STUDENT CERTIFICATIONS

- ECE faculty have got Swayam certification (6) and AWS certifications(31).
- Students have also got Swayam certifications (25), AWS certifications and multiple MOOC course certification..



PATENTS

Many faculty members along with students have filed various patents.

1. **Hygiene Maintenance Device**, Dr. Ramanpreet
2. **Accident Identification and alerting system**, Dr. Tarun and Ashima Kalra
3. **Attendance Boundation**, Ms. Ashima Kalra
4. **Contactless Dustbin with Dual Sanitization**, Dr. Pooja

PLACEMENTS

- 3 students placed with package 8.25 LPA in nokia and Ericsson.
- 14 students placed with package 7 LPA in TCS and Cubastion..
- 20 students placed with package 6-6.7 LPA.
- 77 students placed with package 3-5 LPA.

CHIEF EDITOR MESSAGE

This newsletter is intended to be published quarterly in a year. This inaugural issue is a brief account of the important events held from Oct-Dec 2022. It is expected that wide support for this mission will be provided through the reader's valuable suggestions and comments. This is only a small step towards a long journey. This issue of newsletter should inspire all of us for a new beginning enlighten with hope, confidence and faith in each other in the road ahead.

Chief Editor: MsAshimaKalra