



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.

How Drone Technology Is Changing Industries

Drones are becoming commonplace in both the commercial and non-profits sectors. In the near future their use will be even more widespread. Here are some of the many ways unmanned aircraft can revolutionize how we get things done. It's easy to see why drone degree programs, like Cal U's two-year associate's degree are more relevant than ever.

Agriculture: The Environmental Protection Agency already utilizes drones technology to manage livestock and survey crops. In the future farmers and ranchers could use

unmanned aircraft to strategically monitor and spray their crops.

Conservation: Unmanned aircraft are being used to monitor endangered species and map the changes in various ecosystems around the globe. As drone technology advances, the use and impact of unmanned aircraft in conservation efforts will expand.

Delivery/fulfillment: Anything the postman can carry can also be delivered by drone. Food, prescriptions, that last-minute birthday gift for your dad—in the near future, there will be big changes in the way packages arrive to our doors.

Disaster mitigation and relief: Drones can go places that humans can't access, so they are an ideal solution for dangerous search and rescue efforts, as well as for delivering emergency supplies to remote locations and disaster areas.

Logistics: Heavy-duty drones can replace trucks for inventory management and moving goods between warehouses. This is likely to decrease the number of semis you see on the road.

ISPs: Big tech companies like Facebook and Google are experimenting with solar powered drone technology to beam Internet to remote locals. This could transform connectivity as we know it.

Real Estate: Real Estate listings are poised to change completely with high-definition videos capture by drones that fly through neighborhoods, and into every room in a listed house.



Faculty development Pogramme in IPR

Dr Dinesh ,Dr. Sukhdeep and Dr Mohit attended FDP in I&E/IPR by IIC&MHRD .IIC and MHRD organized workshop on “**Intellectual Property Rights (IPR)** for Students and Faculty Members.

RESEARCH PUBLICATIONS

S NO	TITLE	JOUURNAL	NATIONAL/INTERNATIONAL	NAME OF JOURNAL
1	SPARSITY BASED ADAPTIVE CHANNEL ESTIMATION BY BACTERIAL FORAGING OPTIMIZATION	Journal	International	Journal of Critical Reviews
2	Relevance of Matrices and Image Processing	Journal	International	CGCIJCTR
3	An Edge Fed Planar Inverted-F Antenna With J Shaped Element for 4G LTE/5G Devices	Journal	International	International Journal of Electrical Engineering & Technology
4	MASTER EQUATION BASED NUMERICAL ANALYSIS OF SINGLE ELECTRON DEVICES	Journal	International	Journal of Critical Reviews
5	A multilevel thresholding algorithm using LebTLBO for image segmentation	Journal	International	Neural Computing and Applications, Springer
6	Multifocus and Multiexposure Techniques	Book Chapter	International	SPRINGER
7	Classification of various image fusion algorithms and their performance evaluation metrics	Book Chapter	International	Degruyter



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8	Drone Technology-Game Changer to Fight Against COVID-19	Journal	International	Tathapi
9	DETAILED ELECTROSTATIC AND ELECTROMECHANICAL ANALYSIS OF MEMS SHUNT SWITCH	journal	International	Journal of Critical Reviews

Chief Editor Message

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 the society is 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.

Sincerely,

Chief Editor: Ms Ashima Kalra

Editor: Ms. Aanchal Gupta

Student Editor : Mahima, Tarishi



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