

# DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



## PUNJABI UNIVERSITY, PATIALA

(Established under Punjab Act. No. 35 of 1961)

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### ABOUT THE DEPARTMENT

Electronics and Communication Engineering was one of the branches started, under the aegis of University College of Engineering, established in the year 2003, at Punjabi University, Patiala (Main Campus). We started its journey with a single under-graduate Bachelor of Technology (B.Tech.) program in Electronics and Communication Engineering. With a view to provide quality education, we took a leap forward by launching a five-year course, viz., Engineering Management Integrated Program and a two-year Master of Technology (M.Tech.) program in Electronics and Communication Engineering, in 2009 followed by a three-year Master of Technology course in Electronics and Communication Engineering, in 2011 on part-time basis. Presently, there are 33 faculty members in the department, 4 Professors, 1 Associate Professors and 28 Assistant Professors along with well-trained technical and non- technical staff to assist them. Each faculty member is actively involved in research work in their respective fields of specialization. Practical aspects of various subjects is supported by well-equipped labs. A Research Lab with full-featured software and hardware equipment is also present to assist M.Tech. and Ph.D. students in their respective areas of research.

To meet the demand of industry, department is going to start 4 year B.Tech Program in Electronics & Computer Engineering from the session 2018 with initial intake of 60 seats.

### COURSES OFFERED

Title of Program	Duration	Year of Starting	Sanctioned Intake	Eligibility Criteria
B.Tech. (Electronics & Communication Engineering)	4 Years	2003	180 Seats	Passed out students of 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, are admitted on the basis of their merit in JEE (Main) – 2018. The remaining vacant seats will be filled on the basis of merit of qualifying examination 10+2.
B.Tech. Part-II Lateral Entry (Electronics & Communication Engineering)	3 Years	2004	18 Seats	Diploma (or B.Sc.) in any branch of Engineering and Technology with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories)
B.Tech Part-I (Electronics & Computer Engineering)	4 Years	2018	60 Seats	Passed out students of 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, are admitted on the basis of their merit in JEE (Main) – 2018. The remaining vacant seats will be filled on the basis of merit of qualifying examination 10+2.
Six Year Integrated B.Tech.-M.B.A. Program (Electronics & Communication Engineering)	6 Years	2009	25 Seats	Qualified 10+2 (Non-medical Science Group) with minimum 60% (55% for SC/ST & disabled persons categories) marks. Lateral Entry for Diploma (or B.Sc.) in any branch of Engineering and Technology with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories)
M. Tech. (Regular) (Electronics & Communication Engineering)	2 Years	2009	60 Seats	B.E./B.Tech. in Electronics & Communication Engineering or equivalent with 60% (55% for SC/ST & disabled persons categories) marks. Admission will be done on the basis of GATE / Entrance test conducted by Punjabi University, Patiala.
M. Tech. (Part Time) (Electronics & Communication Engineering)	3 Years	2011	60 Seats	
Ph.D. (Electronics & Communication Engineering)	3 Years	2005	As per slots available	Entrance Test conducted by Punjabi University, Patiala. / GATE qualified candidates.

### PLACEMENTS / RECRUITERS IN LAST FIVE YEARS WITH PACKAGE

<http://pupdepartments.ac.in/placement/placement.html>

Infosys (3.25 lakhs)	Asahi India (AIS) (2.75 lakhs)	Tata Consultancy Services Ltd(3.18)
Indian Army (As per scale)	Sagacious Research (3.6 lakhs)	Tech Mahindra (3.25 lakhs)
TT Consultants (3.6-4.10 lakhs)	Clicklabs (5.00 lakhs)	HP (5.00 Lakhs)
Zscalar(3.25 lakhs)	Nagarro (3.00 lakh)	L & T Infotech
Cognizant(3.00 lakhs)	BirlaSoft (3.10 Lakhs)	Akash Educational Services Ltd. (5.61 lakhs)

## MAJOR LABORATORIES OF ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

Digital Signal Processing	Digital Electronics	Analog Electronic Circuits Lab
Analog Communication System Lab	Circuit Theory Lab	Basic Electrical & Electronics Engineering
Power Electronics Lab	Digital System Design Lab	Optical Communication Lab Microwave
Microwave Lab	Measurement Science & Techniques Lab	Digital Communication System Lab
Wireless Communication Lab	Microprocessor & Applications Lab	Research Lab (M.Tech / Ph.D)

## GLIMPSES OF ELECTRONICS & COMMUNICATION ENGINEERING LABORATORIES



## ACTIVITIES OF ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

Blood Donation Camp	Vice chancellor visit in Department Library	Engineer's Day Celebration
		
Alumini meet & Farewell Party	Rangoli making Competition	Faculty and Resource Persons at Conference (ICITEE 2016)
		

## MAJOR STUDENT FACILITIES & ATTRACTIONS

Extra-Curricular Activities	Post Matric Scholarship for SC	Gymnasium & Sports Complex
Moto Sports Club	Sikh Minority Scholarships	Central Library
Technical Club	Merit Based Scholarships	Guru Teg Bahadur Auditorium
Sports Meet & Gaming Events	Fee concession on economic basis	Medical Centre
Expert Lectures & Seminars	Soft skill development programs	Counseling Cell & N.S.S.