

Research (ECE)

Out of current strength of 33 Faculty members, 17 members have completed Ph. D while rest are pursuing. Till date from the department, 14 candidates have completed their Ph. D., 04 candidates have submitted their thesis while 45 are presently registered for research work. The faculty members have published more than 150 papers in SCI journals and around 10 books. Among the faculty members: Dr. Manjeet Singh Patterh has been awarded Sir Thomas Memorial prize by Institution of Engineers (India) twice for the research contributions in the area of Digital Communications. Dr. Simranjit Singh had been selected for Raman Postdoc fellowship and spent one year at The Institute of Optics, University of Rochester, NY, USA as Postdoc Associate under the supervision of Prof. Govind P. Agrawal.



The department of Electronics and Communication Engineering encourages active learning to build critical thinking skills of its students. It also prepare committed students for quality research. It has mandate of research in the field of wireless communication, optical communication, Image processing, Antenna Design, Digital Signal processing, microwave-millimeter wave communication. In the coming years, the department aims to develop into a world class center for higher academic and industrial research and innovation.




On these lines, it puts immense emphasis on promoting cutting edge Research and publications of high quality. Recognizing work done, it has been successful in securing 05 externally sponsored research projects funded by bodies: Department of Electronics and Information Technology (DEITY), Department of Science and Technology (DST), New Delhi; University Grant Commission (UGC), and Federation of Indian Chambers of Commerce & Industry (FICCI) of total worth over Rs. 1.84 crore.




Current funded Projects (By outside organizations)

Sr. No.	Name of funding scheme	Funded Agency	Sanctioned Amount (in Rs.)	Supervisor/s
1.	Visvesvaraya Ph. D. Scheme	DEITY	1,10,00,000/-	Dr. Manjit Singh Bhamrah Dr. Ranjit Kaur Dr. Simranjit Singh Tiwana Dr. Simranjit Singh (Faculty Co-ordinator)
2.	INSPIRE fellowship	DST	22,68,000/-	Dr. Sonia Goyal Dr. Ranjit Kaur
3.	Women Scientist Award-A	DST	22,75,000/-	Dr. Manjit Singh Bhamrah
4.	C V Raman Fellowship for African Candidates	FICCI	2,85,000/-	Dr. Simranjit Singh
5.	Raman Postdoc Fellowship (Availed by Dr. Simranjit Singh)	UGC	26, 00,000/-	Prof. Govind P. Agrawal (University of Rochester, USA)

Details of Research Scholars working under various schemes:

Sr. No.	Name of Candidate & Photo	Name of Supervisor/s
Visvesvaraya Ph. D. Scheme (DEITY)		
1.		Er. Mandeep Singh
2.		Er. Monika
		Dr. Simranjit Singh

3.		Er. Veenu	Dr. Simranjit Singh Tiwana
4.		Er. Ramandeep Kaur	
5.		Er. Preeti	Dr. Ranjit Kaur
6.		Er. Kamalpreet Singh	Dr. Ranjit Kaur Dr. Amandeep Singh Sappal
7.		Er. Aruna Rani	Dr. Manjit Singh Bhamrah

Sr. No.	Name of Candidate & Photo	Name of Supervisor/s
INSPIRE AWARDED (UGC)		
8.		Er. Satinder Singh Mohar Dr. Sonia Goyal Dr. Ranjit Kaur
Women Scientist Award-A		
9.		Er. Ajaybeer Kaur Dr. Manjit Singh Bhamrah
C V Raman Fellowship for African Candidates		
10.		Er. Djima Kassengne Dr. Simranjit Singh

* For more information of candidates please visit research section at www.punjabiuniversity.ac.in

Registered Ph.D. Research Scholars with Respective Supervisors

Sr. No.	Name of Candidate	Name of Supervisor/s
Ph. D. Completed		
1.	Munish Rattan	Dr. Manjeet Singh Patterh
2.	Amandeep Singh Sappal	
3.	Charanjit Singh	
4.	Deepak Saini	Dr. Sanjeev Kumar
5.	Vibha Aggarwal	Dr. Manjeet Singh Patterh
6.	Ranjit Kaur	
7.	Rakesh Sethi	
8.	Gopal Krishan	
9.	Kulwinder Singh	
10.	Gagandeep Kaur	Dr. Gurmeet Kaur
11.	Harjinder Singh	Dr. Manjeet Singh Patterh
12.	Rajbir Kaur	
13.	Reecha Sharma	
14.	Sonia Goyal	
Ph.D. Submitted		
15.	Karamdeep Singh	Dr. Gurmeet Kaur
16.	Beant Kaur	
17.	Indu Bala	Dr. Manjit Singh Bhamrah
18.	Nidhi	

S. No.	Name of Candidate	Name of Supervisor/s
Ph. D. Pursuing		
1.	SangeetPal Kaur	Dr. Ranjit Kaur
2.	Harmeet Singh	Dr. Amandeep Singh Sappal
3.	Mandeep Kaur	Dr. Charanjit Singh
4.	Monika	Dr. Simranjit Singh, Dr. Amit Wason
5.	Harmanjot Singh	Dr. Simranjit Singh
6.	Karan Aggarwal	Dr. Manjit Singh Bhamrah
7.	Kiranjot Kaur	Dr. Manjeet Singh Patterh
8.	Ankita Aggarwal	Dr. Gurmeet Kaur
9.	Mridula	Dr. Amandeep Singh Sappal
10.	Ajaybeer Kaur	Dr. Manjit Singh Bhamrah
11.	Amandeep Singh	Dr. Charanjit Singh
12.	Jaspreet S Kaleka	
13.	Mandeep Kaur	Dr. Ranjit Kaur
14.	Gurpreet Kaur	Dr. Gurmeet Kaur
15.	Shalini Dhingra	Dr. Amandeep Singh Sappal
16.	Amrit Kaur	Dr. Ranjit Kaur
17.	Sandeep Goyal	
18.	Ekambir Sidhu	Dr. Charanjit Singh
19.	Gurwinder Kaur	Dr. Ashwani Kumar
20.	Preeti	Dr. Ranjit Kaur, Dr. Damanpreet Singh
21.	Veenu Kansal	Dr. Simranjit Singh
22.	Sunita Rani	Dr. Jagtar Singh
23.	Mandeep Singh	Dr. Simranjit Singh
24.	Manpreet Kaur	Dr. Jagtar Singh
25.	Aruna Rani	Dr. Manjit Singh Bhamrah
26.	Kamalpreet Singh Dhiman	Dr. Ranjit Kaur
27.	Simarpreet Kaur	Dr. Simranjit Singh
28.	Ramandeep Kaur	
29.	Manjit Singh	Dr. Amandeep Singh Sappal
30.	Kavneet Kaur	Dr. Ashwani Kumar
31.	Gagandeep Kaur	Dr. Harjinder Singh
32.	Bhawana Utreja	Dr. Reecha Sharma, Dr. Amit Wason
33.	Dipti Bansal	Dr. Lovkesh
34.	Manvinder	Dr. Reecha Sharma
35.	Shelly Garg	

36.	Sandeep Singh	Dr. Jagtar Singh
37.	Jaspreet Singh	Dr. Ranjit Kaur
38.	Gurpreet Singh	Dr. Rajbir Kaur
39.	Sursumel Singh	Dr. Ashwani Kumar
40.	Dishant Khosla	Dr. Kulwinder Singh Malhi
41.	Satinder Singh Mohar	Dr. Sonia Goyal, Dr. Ranjit Kaur
42.	Neha Sharma	Dr. Reecha Sharma
43.	Navneet Kaur	Dr. Jagtar Singh
44.	Rashwinder Singh	Dr. Ranjit Kaur
45.	Meet Kumari	Dr. Reecha Sharma, Dr. Anu Sheetal