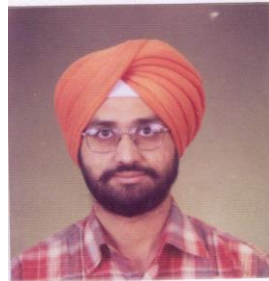


eNEWSLETTER

Vol. 02 No. 01, April - September 2019



ECE Department welcomes Prof. Sandeep Singh Gill in the department and congratulates him on being appointed as Head of the Department of ECE department.



He did his B.E. in Electronics & Electrical Communication Engineering and M.Tech. in Electronics & Communication Engineering from Panjab University, Chandigarh ; MBA in Marketing /Systems & Control from Punjab Agricultural University, Ludhiana ; Ph.D. in Electronics & Communication Engineering from National Institute of Technology, Hamirpur. He has an experience of about 21 years in teaching field. He has also worked as a Senior Executive in Wipro Limited and as a Centre manager at Tulec Computer Education.

Previously he has also worked as Head of the department in Electronics and Communication Department at Guru Nanak Dev Engineering College, Ludhiana.

His areas of interest are VLSI Design Automation, Soft Computing and CAD Tools Product & Quality management

**ELECTRONICS AND COMMUNICATION
ENGINEERING DEPARTMENT**

➤ **Training Programme:**

A. Long term Programme:

- ME Regular - 8 students are admitted to Batch 2019
- ME Modular - 3 students are admitted to Batch 2019
- Ph.D. Scholar Student- 1 student started her course under Dr. Rajesh Mehra

B. Short Term Programme:

Topic	Date	Faculty
Computer Aided Design of PCBs	22 nd April -26 th April 2019	Sh. Ashok Kumar
Digital Signal Processing using MATLAB	20 th May-24 th May 2019	Dr. Amod Kumar
Wireless Communication	27 th May-31 st May 2019	Er. Garima Saini
Embedded System Design	22 nd July-26 th July 2019	Dr. Kanika Sharma
Antenna Design using Simulators	22 nd July- 26 th July 2019	Er. Garima Saini
Digital Image Processing using MATLAB	9 th Sept- 13 th Sept 2019	Dr. Amod Kumar

C. ICT Programme:

Topic	Date	Faculty
Mobile Broadband Transformation	13 th May-17 th May 2019	Er. Garima Saini
System Designing with Smart Controllers	27 th May-31 st May 2019	Dr. Kanika Sharma
Next Generation Communication	19 th August-23 rd August 2019	Er. Garima Saini
Embedded System and IoTs	23 rd Sept-27 th Sept 2019	Dr. Kanika Sharma

➤ **Research & Development: (Completed)**

- ME Pre-thesis – 11
- ME Final Thesis – 3

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT



52nd Annual day of Institute was celebrated on 7th September 2019, in which two students of ECE department namely Ms.Parminder Kaur and Mr. Surya Kant participated.



ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT



Er. Garima Saini, Assistant Professor, attended the Malaysian Technical Cooperation Programme (MTCP) at Centre for Instructor & Skill Training (CIAS)T Malaysia from 3rd September 2019 to 20th September 2019. She was awarded with the certificate.



LIST OF PUBLICATIONS

1. Shashi Poddar, Amod Kumar "Scale-free PSO for in-run and infield inertial sensor calibration" Journal of Measurement, Vol. 147, July 2019, available on-line.
2. Abhishek Rai, Kanika Sharma "A Review on Fuzzy based techniques for Energy Efficient Cluster Head Selection," Journal of Emerging Technologies and Innovative Research, Vol.6, pp. 22-25, June 2019.
3. Abhishek Rai, Kanika Sharma," A Fuzzy Based Techniques for Energy Efficient Cluster Head Selection for Wireless Sensor Network" International Journal of Engineering and Advanced Technology, Vol.8, pp.-2495-2499, August 2019.
4. Pratima Malhotra and Kanika Sharma, "A deep insight to heterogeneous routing protocols for harsh environment in Wireless Sensor Network," Journal of Emerging Technologies and Innovative Research, vol. 6, no. 6, pp. 565-570, June 2019.
5. Pratima Malhotra and Kanika Sharma, "Improved Multiple Gateway Node based Routing Architecture for heterogeneous Wireless Sensor Network," Elsevier International Journal of Innovative Technology and Exploring Engineering, vol. 8, no. 10, pp. 2175-2180, August 2019.
6. Anjali Thakur, Kanika Sharma, "Study of Hotspot mitigation Techniques in Wireless Sensor Networks", Journal of Emerging Technologies and Innovative Research, vol. 6, no. 6, pp. 249- 252, June 2019.
7. Anjali Thakur, Kanika Sharma, "Energy Efficient Multi-Hop Dynamic Routing Technique to mitigate Hotspot problem in Wireless Sensor Networks" Elsevier International Journal of Engineering and Advanced Technology, vol. 8, no. 6, pp. 2942-2949, August 2019.
8. Yadevendra Kamal, Kanika Sharma, "H-Best Particle Swarm Optimization Based Localization Algorithm for Wireless Sensor Network "International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1, pp-2769-2778, October 2019.
9. Yadevendra Kamal, Kanika Sharma, "Review to the optimized localization for wireless sensor network", International Journal of Emerging Technologies and Innovative Research , ISSN: 2349-5162, Vol.6,Issue 6, Page no.765- 770, June-2019.
10. Nisha Sharma, Kanika Sharma," Energy Efficient Inter and Intra Cluster Movement of Mobile Sink in Wireless Sensor Network" Scopus International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, volume -8, issue-6, August 2019.
11. Nisha Sharma, Kanika Sharma," Study of Routing Schemes and its Contribution in Evolution of Sink", International Journal of Emerging Technologies and Innovative Research (JETIR), (ISSN-2349-5162), , Volume 6, Issue 6,Page no. 457-462, June – 2019.

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

12. Sumit Tyagi, Garima Saini, "A Review on Hybrid Feed Micro strip Antenna Array", Journal of Emerging Technologies and Innovative Research, Vol. 6, Issue 6, June 2019, ISSN 2349-5162, UGC Journal No. 63975.
13. Sumit Tyagi, Garima Saini, "Antenna Array Design Using Hybrid Feed for High Frequency Application", International Journal of Engineering and Advanced Technology, Vol. 8, Issue 6, August 2019, ISSN 2249-8958, Scopus.
14. Swati Kandoria, Garima Saini, "An Analytical Review on Broadband Antenna and Recent Advances", Journal of Emerging Technologies and Innovative Research, Vol. 6, Issue 6, June 2019, ISSN 2349-5162, UGC Journal No. 63975.
15. Swati Kandoria, Garima Saini, "Broadband Stacked Antenna Design with Hybrid Structure for C-band Communication", International Journal of Innovative Technology and Exploring Engineering, Vol. 8, Issue 10, pp. 3510-3516, August 2019, ISSN 2278-3075, Scopus.
16. Namita Sharma, Garima Saini, "Design of Normal Mode Helical Antenna For UHF RFID Applications International Journal of Technical Innovation in Modern Engineering & Science , Vol. 5, Issue 7, pp.749-753, July 2019, ISSN 2455-2585.
17. Baljot Kaur, Garima Saini, "Enhancing Cell Throughput & Area Spectral Efficiency Using Two Level Soft Frequency Reuse Technique", International Journal of Innovative Technology and Exploring Engineering, Vol. 8, Issue 9, pp. 1524-1530, July 2019, ISSN 2278-3075, Scopus.
18. Baljot Kaur, Garima Saini, "Various Techniques of Interference Management in Heterogeneous Network : A Review", International Journal of Scientific Research in Science and Technology , Vol. 6, Issue 3, pp. 310-328, ISSN 2395-6011.
19. Gaurav Gupta, Garima Saini, "Multipolarised Near Field RFID Antenna for Mobile Devices",) International Journal of Electronics and Engineering, Vol. 11, Issue 2, pp. 41-50, June – Dec 2019, ISSN 0973-7383.
20. P. Limameren Chang, Garima Saini, "Different Substrate Material for Designing a Passive UHF RFID Tag Antenna", International Journal of Innovative Technology and Exploring Engineering, Vol. 6, Issue 3, pp. Vol.8, Issue 9S, pp. 572-580, July 2019, ISSN 2278-3075, Scopus.
21. Gurpreet Kour, Garima Sani, "Dual Band Slotted Filtering Antenna For LTE-Advanced Applications", International Journal of Scientific & Technology Research , Vol. 8, Issue 8, August 2019, pp. 1463-1467, ISSN 2277-8616, Scopus.

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