

### Learning through Research Paper

Details of activities conducted in the department to promote 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year students towards research activity:

#### Session: 2022-2023 (Odd Semester)

1.	Mrs. Sarabjeet Kaur	A performance-driven placement tool for Analog integrated circuit	3 <sup>rd</sup>	31/08/2022	PO1, PO2, PO4, PO5, PO6, PO7	<a href="#">1.docx</a>
2.	Mohd Sazid	Multi-mode resonators based triple band notch UWB filter	5 <sup>th</sup>	15/09/2022	PO1, PO2, PO3, PO4, PO5, PO6, PO7	<a href="#">2.docx</a>
3.	Mrs Kanika Jindal	A VLSI Field-Programmable Mixed-Signal Array to Perform Neural Signal Processing and Neural Modelling in a Prosthetic System	5 <sup>th</sup>	30/09/2022	PO1, PO2, PO4, PO5, PO6, PO7	<a href="#">3.docx</a>
4.	Mr. Ashutosh Singh	Modelling of the power-supply interactions of CMOS operational amplifiers using symbolic computation	7 <sup>th</sup>	04/10/2022	PO1, PO2, PO4, PO5, PO6	<a href="#">4.docx</a>
5.	Prof. V K Pandey	Analysis of an E-shaped patch antenna	5 <sup>th</sup>	11/10/2022	PO1, PO2, PO3, PO4, PO5, PO6, PO7	<a href="#">5.docx</a>
6.	Dr. Laxman Singh	Fast Adaptive upscaling of low structured images using a hierarchical filling strategy	7 <sup>th</sup>	20/10/2022	PO1, PO2, PO4, PO5, PO6, PO7	<a href="#">6.docx</a>
7.	Dr. Prasanna Kumar Singh	A Compact CPW-Fed Slotted Patch Antenna for Dual-Band Operation	3 <sup>rd</sup>	16/11/2022	PO1, PO2, PO3, PO4, PO5, PO6	<a href="#">7.docx</a>
8.	Dr. Niraj Agrawal	Design and Fabrication of A High-Gain 60 GHz Corrugated Slot Antenna Array with Ridge Gap Waveguide Distribution Layer	7 <sup>th</sup>	29/11/2022	PO1, PO2, PO3, PO4, PO5, PO6	<a href="#">8.docx</a>

**Session: 2022-2023 (Even Semester)**

1.	Prof. Pavan Kumar Shukla	Theoretical analysis of linear active antenna array for beam steering	4 <sup>th</sup>	24/02/2023	PO1, PO2, PO3, PO4, PO5, PO6, PO7	<a href="#">1.docx</a>
2.	Mr. Ashutosh Singh	A symbolic Simulator for analog integrated circuit	4 <sup>th</sup>	27/02/2023	PO1, PO2, PO4, PO5, PO6, PO7	<a href="#">2.docx</a>
3.	Dr. Niraj Agrawal	Compact broadband balun-based UWB-BPF with minimum insertion loss and sharp selectivity	6 <sup>th</sup>	10/03/2023	PO1, PO2, PO3, PO4, PO5, PO6, PO7	<a href="#">3.docx</a>
4.	Mohd Sazid	A miniaturized microstrip-to-CPW transition base UWB-BPF with sharp Roll-off and minimum insertion loss	6 <sup>th</sup>	13/03/2023	PO1, PO2, PO3, PO4, PO5, PO6, PO7	<a href="#">4.docx</a>
5.	Dr. Laxman Singh	Fast Adaptive upscaling of low structured images using a hierarchical filling strategy	8 <sup>th</sup>	20/03/2023	PO1, PO2, PO4, PO6, PO7	<a href="#">5.docx</a>
6.	Mrs. Nidhi Sharma	A VLSI Field-Programmable Mixed-Signal Array to Perform Neural Signal Processing and Neural Modelling in a Prosthetic System	8 <sup>th</sup>	27/03/2023	PO1, PO2, PO4, PO5, PO6, PO7	<a href="#">6.docx</a>
7.	Mrs. Sarabjeet Kaur	Channel Capacity Analysis of Decoded-Forward Based Co-Operative Communication System Over A- $\mu$ Fading Channel	8 <sup>th</sup>	17/04/2023	PO1, PO2, PO3, PO4, PO6, PO7	<a href="#">7.docx</a>
8.	Prof. V. K. Pandey	A 5G Wideband Patch Antenna with Anti-symmetric L shaped probe feeds	6 <sup>th</sup>	28/04/2023	PO1, PO2, PO3, PO4, PO5, PO6, PO7	<a href="#">8.docx</a>