

## PhD Scholars : Even Semester 2022

S.NO	NAME OF THE CANDIDATE	ENROLL. NO	Internal SUPERVISOR-1	SUPERVISOR-2	Research Title	DPMAC
1	ADITI KOHLI	17402009	Prof. Shweta Srivastava		Digital Video Forensics using Deep Learning Algorithms	Dr. Vineet Khandelwal, Dr. Tribhuwan Tewari
2	AANCHAL AGARWAL	18402006	Dr. Vineet Khandelwal		Digital Image Forensics using Machine Learning Algorithms	Dr. Vineet Khandelwal, Dr. Tribhuwan Tewari
3	SANDHYA	19402017	Dr. Neetu Singh		Deep Learning Tehniques for Multimedia Forensics	Dr. Akansha Bansal, Prof. B.P. Chamola
4	Priyanka Agrawal	POP10118	Dr. Ajay Kumar		Design, Simulation and Circuit analysis of Sub-10 nm FinFET for Analogue, RF and Sensing Applications	Dr Amit Kumar Goyal,Dr. Anuraj Panwar
5	MONIKA MALIK	18402013	Dr. Alok Joshi	Dr.Gayatri Sakya	Enhancement of Leach Protocol in Wireless Sensor Network for Real Time Applications	Dr. Pankaj Kumar Yadav, Dr. Dinesh C.S. Bisht
6	Kalpna Sagar	POP20031	Dr. Ajay Kumar		Surface Wave based Photonic Crystal Devices	Dr Jasmine Saini ,Dr. Ashwani Mathur
7	MANDEEP SINGH NARULA	18402025	Dr. Archana Pandey		Novel Semiconductor Devices	Dr Ajay Kumar, Prof. Navendu Goswami
8	JYOTI GUPTA	18402021	Dr. Ashish Goel		Approximation of Gaussian Q-Function and its Applications	Dr. Bajrang Bansal, Prof. Lokendra Kumar
9	Mohit Kumar Singh	19402019	Dr. Ashish Goel		Performance Analysis of OCDM for High Speed Communication	Dr Juhi Gupta, Prof.Lokendra Kumar
10	Raghvenda Kumar Singh	18402009	Dr. Ashish Gupta		Design and Characterization of Metamaterial Microwaves Device and its Application	Dr. Vimal Kumar Mishra, Dr. Dinesh C Bisht
11	Shafali Jagga	POP100048	Dr. Atul Kumar	Dr.Bhartendu Chaturvedi	High Performance Circuit Designs using Emerging CMOS Technology	Dr.Jitendra Mohan,Dr. Mukesh Saraswat
12	Ravneet Kaur	POP20103	Dr. Bajrang Bansal	Dr. Sudhan Majhi	Physical Layer Security in Wireless Communication using Intelligent Reflecting Surface	Dr. Kuldeep Baderia, Dr. Shruti Jaiswal
13	Ravi Prakash Verma	POP20054	Dr. Bhagirath Sahu	Dr. Ashish Gupta	Design and Analysis of Microwave Filters Integrated with Antennas for Wireless Applications	Dr. Jasmine Saini, Dr. Anshu D Varshney
14	JAYANT KUMAR SINGH	18402005	Dr. Garima Kapur		Biomorphic Analog Integrated Circuit designing	Dr. Archana Pandey, Prof. Vibha Gupta
15	RAJNI PARASHAR	19402020	Dr. Garima Kapur		Design of Tunable RFIC Circuits	Dr. Shruti Kalra, Prof. Sudha Srivastava
16	LEENA SHARMA	20402012	Dr. Gaurav Verma		Smart Village: IoT and Machine Learning Perspective	Dr. Ruby Beniwal, Dr Pawan upadhyay
17	RITESH KUMAR SHARMA	20402013	Dr. Gaurav Verma		Smart Cities: IoT and Machine Learning Perspective	Dr. Rachna Singh, Dr Hema
18	VARUN GOEL	19402013	Dr. Hemant Kumar		Self-Powered Photodetector	Dr. Vimal Kumar Mishra, Dr. Prashant K Chauhan
19	DIPTIMAYEE DASH	19402005	Dr. Jasmine Saini		1D Photonic Crystal Cavity based Sensors	Dr. Reema Budhiraja, Prof. Reema Gabrani
20	Shiv Narain Gupta	18402017	Dr. Jitendra Mohan	Dr.Bhartendu Chaturvedi	Design of CMOS Realizable High Performance Analog Signal Processing Circuits	Dr. Hemant, Dr. Pankaj Kr Srivastava
21	AMRITA KAUL	20402011	Dr. Juhi Gupta		Next Generation Wireless Communiccation	Dr Pankaj Yadav, Dr Megha Rathi
22	RAJNI GUPTA	19402003	Dr. Juhi Gupta		Physical Layer Security in Wireless Communication	Dr. Jasmine Saini, Dr. Archana Purwar
23	MOHAN SINGH	17402006	Dr. Kapil Dev Tyagi		Detection of Changes Induced by Natural Disaster from Satellite Images Using Deep Learning Neural Networks	Dr. Abhinav Gupta, Dr. Tribhuwan Tiwari
24	DHARMENDER	19402010	Dr. Kaushal Nigam	Dr. Satyendra Kumar	Device Modelling and Simulation, Low Power VLSI design, Digital VLSI design using FPGA	Dr. Kuldeep Baderia, Dr. Amit Srivastava
25	Mukesh Kumar Bind	POP20140	Dr. Kaushal Nigam	Dr.Sajai Vir Singh	Performance Analysis of Steep-subthreshold Devices for Ultra Low Power and High Frequency Applications.	Dr. Kuldeep Baderia, Dr. Avinash Pandey
26	KHUSHBU BANSAL	18402004	Dr. Kirmender Singh		Design Methodology for Low Power Analog IC Circuits in deep submicron technology	Dr. Shamim Akhter, Prof. R.K. Dwivedi
27	Apurva Thakur	POP100085	Dr. Kuldeep Baderia		Design of FIR Filters using Optimization and Machine Learning Algorithms	Dr. Kaushal Nigam,Dr. Himanshu Mittal
28	RENU SHARMA	17402012	Dr. Madhu Jain		Classification of Radiographic Images	Dr. Vijay Khare, Dr. Shikha Jain
29	SWATI MISHRA	18402022	Dr. Megha Agarwal		Breast Cancer Classification	Dr Sajai Vir Singh, Dr Anshu D Varshney
30	Ankita Wadhwa	18402008	Dr. Megha Agrawal		Content Based Image Retrieval	Dr. Jitendra Mohan, Dr. Amit Srivastava
31	Nidhi Tewari	POP10003	Dr. Neetu Joshi		Substrate Integrated Waveguide for High Frequency Applications	Dr. Jasmine Saini, Dr. Anuraj Panwar
32	Vaishali Sharma	POP20117	Dr. Neetu Singh		Copy-Move forgery detection using Machine learning and Deep learning algorithms	Dr. Abhinav Gupta, Dr. Alka Singhal

33	Shweta Mittal	17402011	Dr. Pankaj Yadav	Dr.Vivek Kr. Dwivedi	Effect of various impairments in Mixed RF/FSO Cooperative Relaying Systems	Dr. Alok Joshi,Dr.K.RajLaxmi
34	Anshu Sharma	POP20111	Dr. Parul Arora		Current Research Trends in Biometric	Dr. Sajai Vir Singh, Dr. Raju Pal
35	Shivani Chauhan	POP20116	Dr. Rachna Singh		Tandem solar cell	Dr. Gaurav Verma,Dr. Ashish Mishra
36	POOJA GOEL	17402013	Dr. Rahul Kaushik		Performance Analysis of Radio over Fiber Systems	Dr. Vineet Khandelwal, Dr. Navneet Kr Sharma
37	ANKUR SOOD	18402015	Dr. Rahul Kaushik		Performance Analysis of Radio over FSO Systems	Dr. Vineet Khandelwal, Dr. Navneet Kr Sharma
38	Astha Sharma	POP100065	Dr. Reema Buddhiraja		Enhancement of Performances of Metamaterial Antennas	Dr. Jasmine Saini, Dr. Bhubesh Joshi
39	NILUFAR YASMIN	18402016	Dr. Richa Gupta		Security Improvements in Modern Cryptosystem	Dr.Pankaj Yadav, Dr. Sangeeta Mittal
40	MAMTA BISHT	17402010	Dr. Richa Gupta		Analysis and Implementation of Document image processing	Dr. Vijay Khare, Dr. Vikas Saxena
41	MANIKA JHA	19402004	Dr. Richa Gupta	Prof. Rajiv Saxena	Non-Invasive Disease Identification	Dr. Neetu Singh, Prof. B.P. Chamola
42	Vinay Singh	POP20148	Dr. Ruby Beniwal		Fault Detection in Solar Plants using AI	Dr. Vivek Dwivedi, Prof. R. K. Dwivedi
43	AKSHAY TANEJA	20402010	Dr. Ruby Beniwal		Performance Enhancement of Photovoltaic Solar Thermal Hybrid System	Dr Shruti Kalra, Dr Anuraj Panwar
44	Priyanka Kwatra	17402007	Dr. Sajai Vir Singh	Dr. Kushal Nigam	Study and Impliment Timing Model for CMOS Inverter	Dr. Alok Joshi, Dr. Sandeep Chocker
45	Priyanka Verma	19402018	Dr. Satyendra Kumar		Steep Subthreshold Semiconductor Devices and Circuit Design	Dr. Kapil Dev Tyagi, Dr. Amit Srivastava
46	M MEENA LAKSHMI	19402002	Dr. Saurabh Chaturvedi	Dr.Vivek Kr. Dwivedi	Deep Learning based Communication System	Dr. Pankaj K. Yadav, Prof. R.K. Dwivedi
47	SHIVAJI TYAGI	14402205	Dr. Shamim Akhter		Design and Development of Single-Chip CMOS MEMS based Oscillator Systems	Dr. Satyendra Kumar, Prof. R.K. Dwivedi
48	ABHAY PRATAP SINGH	17402008	Dr. Shamim Akhter		Fin-Fet Based Circuit Designing and Analysis	Dr. Vimal Mishra, Prof. R.K. Dwivedi
49	TUKUR GUPTA	18402020	Dr. Shamim Akhter		Design of an efficient RNS Converters	Dr. Saurabh Chaturvedi, Dr. B C Joshi
50	Karan Singh	POP20141	Dr. Shruti Kalra		Analysis of Negative Bias Temperature Instability-A Reliability Threat to Nanoscale Design Technology	Dr. Ruby Beniwal,Prof. B.P. Chamola
51	SHRADHA SAXENA	15402002	Dr. Vijay Khare		Piezoelectric based MEMS	Dr. Archana Pandey, Prof. Sudha Srivastava
52	MANJU SINGH	14402203	Dr. Vijay Khare		Analysis and detection of Parkinson's Disease	Dr. Shamim Akhter, Prof. Sujata Mohanty
53	NEERJA SINGH	18402014	Dr. Vijay Khare	Dr. Gaurav Verma	Power Analysis and Estimation of FPGA based Systems usingMacchine	Dr. Shamim Akhter, Dr. Sangeeta Mittal
54	NITU RAO	19402001	Dr. Vimal Kumar Mishra		VLSI System and Design, FD-SOI MOSFET Technology	Dr. Bajrang Bansal, Dr. Sailesh Kumar
55	NARESH KUMAR	17402004	Dr. Vineet Khandelwal		Performance Analysis of Optical Wireless Communication Systems	Dr. Rahul Kaushik, Dr. Tribhuwan Tiwari
56	BHAWNA GUPTA	17402014	Dr. Vineet Khandelwal		Modified Despeckling Techniques on Ultrasound Images	Dr. Abhinav Gupta, Dr. Tribhuwan Tiwari
57	JYOTI DESHWAL YADAV	19402012	Dr. Vivek Kumar Dwivedi	Dr. Saurabh Chaturvedi	GAN enabled massive MIMO systems	Dr. Juhi Gupta, Prof. R.K. Dwivedi
58	VISHAL NARAIN SAXENA	16402002	Dr. Vivek Kumar Dwivedi	Dr.Juhi Gupta	Security Enhancement in Cooperative Optical Wireless Network	Dr Pankaj Kumar Yadav, Prof. R.K. Dwivedi
59	K. Nisha	19402015	Prof. Hari Om Gupta	Dr. Ruby Beniwal	Various Control Schemes of Photovoltaic Power Plant and it's Operation	Dr. Shruti Kalra, Dr. Anuraj Panwar
60	Vinay Anand Tikkiwal	13402206	Dr. Sajai Vir Singh	Prof. Hari Om Gupta	Performance Analysis and Modelling of PV Systems	Dr. Alok Joshi, Dr. Amit Verma
61	ABHAY KUMAR	16402008	Prof. Shweta Srivastava		Design of High Gain Substrate Integrated Waveguide Antennas for Wireless Application	Dr. Jasmine Saini, Dr. Suneet Kumar Awasthi
62	Ruchi Paliwal	19402008	Prof. Shweta Srivastava	Dr. Reema Buddhiraja	Filter Design using Substrate Integrated Techniques (SIW)	Dr.Rahul Kaushik, Dr. Dinesh Tripathi
63	Arnab Chakraborty	17402005	Prof. Shweta Srivastava		Design and Analysis of Antenna Arrays for MM-Wave application	Dr. Ashish Gupta, Dr. S.K. Awasthi
64	RAKHI KUMARI	19402006	Prof. Shweta Srivastava		Design of Antennas on Half mode and Quarter mode Substrate Integrated Waveguide	Dr. Jasmine Saini, Dr. S.K. Awasthi