

Ph.D Degree Awarded Students

N.	Name	Topic	Year of Award	Supervisor
1.	Mr. Arvind Rajawat	Model for Quantitative analysis of communication in heterogeneous codesign environment	2009	Dr. R.P. Singh
2.	Ms Sangeeta Nakhate	Speech Enhancement using independent Component Analysis	2009	Dr Ajay Somkuwar
3.	Mr. Shikha Nema	Simulation and performance analysis of integrated optical DWDM & MIMO-OFDM system for next generation Networks	2010	Dr. R.P. Singh /Dr. Aditya Goel
4.	Ms. Sunanda Manke	Design of Trans Receiver Circuit to improve VCAT Performance in Next Generation SDH Systems using VLSI	2010	Dr. S.D. Sapre /Dr.Kavita Khare
5.	Mr. Dheeraj Kumar Agrawal	An Efficient Multi Focus Image Fusion Algorithm using Modified PCNN for Improved Image Quality	2011	Dr. JyotiSinghai
6.	Mr. Jigyendra Sen Yadav	Model order reduction using Modern heuristic Optimization techniques for controller design	2011	Dr. JyotiSinghai
7.	Ms. Vijayshri Chaurasia	SPEED ENHANCEMENT OF FRACTAL IMAGE COMPRESSION	2011	Dr. Ajay Somkuwar
8.	Mr. Goutam Chatterji	Real Time stress Monitoring of Fighter Plane Pilots	2011	Dr. Ajay Somkuwar
9.	Ms. Anjali Potnis	Denoising of Natural Images Using Independent	2012	Dr. Ajay Somkuwar
10.	Ms. Zarreen Aijaz	Design and Development of Double Slot Coupled Microstrip Antenna	2012	Dr. S.C. Shrivastava
11.	Mr. Abhishek Rawat	Design & Analysis of Dynamically Phased Array Smart Antenna Using Optimization Techniques	2012	Dr. R.N. Yadav
12.	Ms. Agya Mishra	HONN based adaptive EKF techniques for non linear estimation	2012	Dr. R.N. Yadav
13.	Ms. Asmita A Moghe	Enhanced lesion identification using modified multiresolution hybrid registration technique for Abdominal 2D CT	2012	Dr. S.C Shrivastava/ Dr.Jyoti Singhai
14.	Ms. Rita Jain	DESIGN OF BUILT-IN SELF TEST WITH NETWORK MANAGEMENT SYSTEM FOR COMMUNICATION APPLICATIONS	2012	Dr. M.K. Gupta
15.	Ms. Jyoti Deshmukh	Integrating DBB and SVL: A Technique for Leakage Power Reduction in CMOS circuits	2012	Dr. Kavita Khare
16.	Mrs Vibha Tiwari	Development of Noise Robust Features using wavelet transform for Speaker Identification	2012	Dr. Jyoti Singhai
17.	Ms. Soni Changlani	Performance Analysis of Optimal Adaptive Filter Algorithms for Speech Enhancement	2012	Dr. M.K. Gupta
18.	Minal Saxena	Design and analysis of timing and frequency offset estimation algorithm in VHDL	2012	Dr Kavita Khare
19.	Ms. Lalita Gupta	Investigation of Mutual Coupling Effects on Estimation of Direction of Arrival for Sensor Arrays	2012	Dr. R.P. Singh
20.	Kavita Burse	A novel approach for channel equalization using multiplicative neural networks	2010	Dr S C Shrivastava /

				Dr R N Yadav
21.	Ms. Supriya Aggarwal	Design of Efficient CORDIC Algorithm using Generalized Micro-rotation Selection for Digital Signal Processing Applications	2013	Dr. Kavita Khare
22.	Mr. Anil Patil	Single Frame Image Super-resolution Using Learnt Curvelet Coefficients	2013	Dr. Jyoti Singhai
23.	Ms. Alpana Pandey	Analysis and Design of an autonomous Chaotic System with Synchronization Investigation for Secured Communication	2014	Dr. R.P Singh/ Dr. R.K. Baghel
24.	Mr. Tarun Kumar Gupta	DESIGN OF POWER EFFICIENT FOOTHRLESS DOMINO LOGIC NANO TECHNOLOGY CIRCUITS	2014	Dr. Kavita Khare
25.	Ms. Anita jain	DESIGN OF EFFICIENT 3D CORDIC ALGORITHM USING FPGA	2014	Dr. Kavita Khare
26.	Mr. Manish D. Sawale	Improved Algorithm for Detection of Signals in Rayleigh Channel	2014	Dr. R.N. Yadav
27.	Mrs. Bhavana Prakash Shrivastava	DESIGN OF IMPROVED ROUTERS FOR NETWORK ON CHIP	2014	Dr. Kavita Khare
28.	Mr. Paresh Rawat	Designing an efficient approach for full frame video stabilization for hand held mobile video	2014	Dr. Jyoti Singhai
29.	Mr. Aruna Kumar Sunaniya	Design of Flash ADCs Using Submicron power dissipation reduction techniques	2014	Dr. Kavita Khare
30.	Mrs. Archana Sharma	Design and Analysis of Dielectric Antenna for Microwave Application	2014	Dr. Kavita Khare
31.	Ms. Bharti Gupta	Design and Development of Compact wideband microstrip antenna	2014	Dr. Madhu Shandilya
32.	Laxmi kumre	Efficient digital circuit design using hybrid gate diffusion input technique	2015	Dr Ajay Somkuwar
33.	Ms. Rakhi Thakur	Improved Frame Detection And Timing Synchronization Model For OFDM System Using Verilog	2015	Dr. Kavita Khare
34.	Mr. Sanjay Kumar Jain	Detection and Analysis of Human Body odour as an Alternative Biometric	2015	Dr. Jyoti Singhai
35.	Ms. Anamika Jain	Design and Analysis of Multirate Filter Bank for Image Compression	2015	Dr. Aditya Goel
36.	Mr. Rajendra Kr. D. Patel	Rapid Design Space Exploration of Instruction Cache Size for Embedded Software	2015	Dr. Arvind Rajwat
37.	Mr. Subhash Mishra	Some Investigation of Smart Antennas Using Neural Networks	2015	Dr. R.P. Singh/ Dr. R.N. Yadav
38.	Mr. Gulrej Ahmed	A Novel Technique to Reduce the Power Consumptions for Flash Analog to Digital Converter	2015	Dr. R.K. Baghel
39.	Shiv Prasad Kori	Adaptive modulation scheme for efficient wireless sensor network with mobile sink	2015	Dr. R.K. Baghel
40.	Mr. Uday panwar	Gate Replacement Technique for Reducing Worst Leakage Current in DSM Circuits	2015	Dr. Kavita Khare
41.	Mr. Vikas Gupta	Image Denoising Using Dual Threshold Median Filter Based Method for Impulse noise	2015	Dr. Madhu Shandilya/ Dr. Vijayshri Chaurasia
42.	Mr. O.P. Meena	Spectrum Sensing Frameworks and Information Fusion in Cognitive Radio Network	2015	Dr. Ajay Somkuwar

43.	Mr. Jaipal Singh Bisht	Investigations on Contention Resolution Schemes for Optical Burst Switched Networks	2015	Dr. Aditya Goel
44.	Mr R K Sethi	Dispersion compensation in optical communication systems using OFDM	2015	Dr. Aditya Goel
45.	Mr. Uma Shankar Kurmi	Partially Occluded Face Recognition Using Feature Selection Approach	2015	Dr. R.K. Baghel
46.	Mr. Satrugan Kumar	“Improved Foreground Extraction Technique for Video Complex Environments.”	2016	Dr. J.S. Yadav
47.	Mr. Neelesh Mehra	“Analysis and Design of Dual Watermarking for Buyer Seller Watermarking Protocol”	2016	Dr. Madhu Shandilya
48.	Mr. Rahul Dbey	“Spectral Analysis Techniques for Ball Bearing. Fault Classification”	2016	Dr. Dheraj Agrawal
49.	Mr. Mahendra Vucha	“On-Chip Dynamic Task Distribution Model for Reconfigurable High Speed Computing Sytem”	2016	Dr. Arvind Rajawat
50.	Indira Rawat	Temperature Aware Efficient Test Scheduling of 3D system on-chips	2016	Dr M K Gupta Dr Virendra Singh
51.	Mr. Virendra Singh Chaudhary	Performance Analysis of Nonlinear channel Equalization	2017	Dr.Madhu Shandilya
52.	Mr. Arjun Singh Yadav	Design and analysis of Low Power SRAM cell Enhanced Read and Write Performance	2017	Dr. Sangeeta Nakhate
53.	Ms. Nupur Agrawal	Design of Erbium Ytterbium Doped Fiber Amplifier (EYDFA) for WDM Optical Network	2017	Dr. Aditya Goel
54.	Mr. Hari Shanker Srivastava	An Area Efficient DAC & Low Offset Buffer for Source Driver Architecture of LCD (Liquid Crystal Display)	2017	Dr. R.K. Baghel
55.	Mr. Sumit Kumar Gupta	Performance Analysis and Enhancement of Optical Code Division Multiple Access network using Spectral Amplitude	2018	Dr. Aditya Goel
56.	Mr. Ajay Kumar Dadoria	Design and Analysis of low power Fin FET Circuits	2018	Dr. Kavita Khare
57.	Mr. Dharmendra Sadhwani	SEP Analysis of Various Digital Modulation Schemes over AWGN and Fading Channels	2018	Dr. R.N. Yadav
58.	Ms. Sunanda Amulker	On Chip VCO Design with Enhanced Performance for MMW Applications	2018	Dr. Sangeeta Nakhate
59.	Mr. Gaurav Pandey	Investigation on Integrated Long-Haul DWDM with WDM-Passive Optical Network	2018	Dr. Aditya Goel
60.				
61.	Ms. Rachna Singh	High Level Area Estimation Model for FPGA Based Designs	2018	Dr. Arvind Rajawat
62.	Mr. Pretesh Tiwari	Design of High Gain, Wideband Microstrip H-slot Patch Antenna	2018	Dr. Lalita Gupta
63.	Mr. Bhupendra Kumar Shukla	DESIGN AND FABRICATION OF OPEN SLOT ANTENNA AND WIDE SLOT ANTENNA USING DIFFERENT TUNING STUB AND PARASITIC ELEMENT	2019	Dr. R.K. Baghel
64.	Mr.	Glaucoma Detection Using Non Stationary	2019	Dr. Dheraj

	Bhupendra Singh Kirar	Decomposition Techniques for Fundus Images		Agrawal
65.	Mr. Sandeep Garg	Efficient Domino Logic Circuits Design with Nano FET Technologies	2019	Dr. Tarun Kumar Gupta
66.	Mr. Hemant Choubey	EXTRACTION TECHNIQUE FOR THE DETECTION OF EPILEPTIC SEIZURE	2020	Dr. Alpana Pandey
67.	Ms. Pallavi Agrawal	Acoustic Echo Cancellation for Near End Speaker Extraction	2020	Dr. Madhu Shandilya
68.	Ms. Anshu Gupta	Design and Implementation of Efficient Low Power Sigma Delta ADC	2020	Dr. Lalita Gupta
69.	Ms. Deepa Sharma	Automatic Building Detection in Satellite Image Using Fuzzy Based Segmentation and Unsupervised Graph-Cut Partitioning	2020	Dr. Jyoti Singhai
70.	Mr. Abhishek Naryan Tripathi	“High Level Power Estimation Methodology for FPGA and ASIC Based Design”	2020	Dr. Arvind Rajawat
71.	Mr. Yashwan Kurmi	“Feature Based Histopathology Image Segmentation for CAD of Cancer “	2020	<i>Dr. Vijayshri Chaurasia</i>
72.	Ms Jaya Koshta	“Improved VLSI architecture for Variable Block Size Motion Estimation Using SAD In HEVC”	2020	Dr. Kavita Khare
73.	Mr Manish Bansal	“FPGA Implementation of Pipeline Reconfigurable N-Point FFT Processor”	2020	Dr. Sangeeta Nakhate
74.	Mr. Ashish Parihar	“Fast and High Throughput Montgomery Modular Multiplier for RSA Cryptosystem”	2020	Dr. Sangeeta Nakhate
75.	Mr. Abhishek Sharma	“Improved Denoising Technique for MR Images Using Advanced Non-Local Means Filtering”	2021	Dr. Vijayshri Chaurasia
76.	Ms. Trapti Sharma	“Performance Enhancement of CNTFET Based Ternary Digital Circuits”	2021	Dr. Laxmi Kumre
77.	Mr. Tahir Khan	“Adaptive Learning Based Deep Artificial Neural Network for Efficient Number Plate Recognition System	2021	Dr. J.S. Yadav
78.	Mr. Ramji Gupta	“Efficient Design and Analysis of Chaos Based True Random Number Generator Circuits”	2021	Dr. Alpana Pandey
79.	Mr. Vivek Tiwari	“Efficient Design and Implementation of NOC Router Architecture”	2021	Dr. Kavita Khare
80.	Mr. Gaurav Makwana	“Computer Aided Diagnosis of Brest Cancer Based on Mammogram and Microscopic Images”	2021	Dr. Lalita Gupta
81.	Mr. Jitendra Pratap Singh Mathur	“Improved Construction and Analysis of Quasi-cyclic Low Density Parity Check Codes”	2021	Dr. Alpana Pandey
82.	Mr. Barun Kumar	“Design Development and performance Evaluation of wide Slot Antenna”	2021	Dr. Ajay Somkuwar
83.	Mr. Prashant Purohit	“Analytical Modeling and Fabrication of Hybrid Open Slot Patch Antenna for wideband Applications”	2021	Dr. D.K. Raghuvanshi
84.	Deepak Parashar	“Improved Classification of Glaucoma in Retinal Fundus Images Using Image Decomposition Techniques”	2022	Dr. Dheraj Kumar Agrawal
85.	Mr. Ravindra Arya	“Design and Analysis of Micro strip Patch Antenna for WLAN/MiMAX Applications”	2022	Dr. D.K. Raghuvanshi
86.	Mr. Yogesh Shrivastava	“Efficient and Reliable Ternary Logic Based Circuits Design”	2022	Dr. Tatun Kr. Gupta

87.	Mr. Vijay Kumar Magraiya	“Analysis and Design of Nano Domino Circuits with Reduced Subthreshold Leakage Current’	2022	Dr. Tatun Kr. Gupta
88.	Mr. Rahul Singh	“Classification and Evaluation of Brain Tumor Images Employing Adaptive Machine Learning Models”	2022	Dr. Aditya Goel
89.	Mr. Ashis Valuskar 093114102	“Performance Evaluation of Network on Chip Architectures”	2022	Dr. Madhu Shandilya Dr. Arvind Rajawat
90.	Mrs. Rini Smita Thakur 173114007	“Design and Analysis of Image Denoising Techniques”	2023	Dr. RN Yadav Dr. Lalita Gupta
91.	Ajay Sharma 19114013	Image Super Resolution Using Deep Learning”	2023	Dr. Bhawana P Shrivastava
92.	Rajneesh Kumar Patel 193114004	“Investigation of the Presence of Disease Specific Deformation Patterns Induced on Organs by using Machine Learning on Medical Images”	2023	Dr. Manish Kasyap
93.	Mrs. Zainab Aizaz 193114002	“Area and Energy Efficient Truncated Approximate Carry-Based Booth Multipliers for Error Reslient Applications”	2024	Dr. Kavita Khare
94.	Mrs. Swati Gautam 193114003	“Water-dody Segmentation of Remotely sensed GID Images Using Computational Techniques”	2024	Dr. Jyoti Singhai
95.	Mr. Amol Kashinath Boke 183114002	“Efficient Design and Implementation of Cryptographic Algorithms using PUF	2024	Dr. Arvind Rajawat and Dr Sangeeta Nakhate