

PHD Awarded last 5 years:-

Year 2018

Sr. No.	Name	Regn. No.	Topic	Name of the Supervisor(s)	Date of Viva-Voce
1.	Mr. Jadhav Tushar Ramhari	950906040	Design and Synthesis of Multiple View Volumetric 2D to 3D Reconstruction Technique and Its Application	Dr. Kulbir Singh & Dr. Aditya S Abhyankar	15.03.2018
2.	Ms. Geetanjali	951106007	Implementation of Multi-Frequency Antenna with Broadband Designs for Wireless Applications	Dr. Rajesh Khanna	15.03.2018
3.	Mr. Ajeet Pratap Singh	950906033	Design and Implementation of Ultra Wideband Antenna with Multiple Notched Bands	Dr. Hardeep Singh & Dr. Rajesh Khanna	21.04.2018
4.	Ms. Kavita Bindra	901306005	Performance Evaluation and Analysis of Power Limited Cognitive Radios	Dr. Surbhi Sharma & Dr. Rajesh Khanna	20.07.2018
5.	Mr. Varun Kumar	951106004	Design and Simulation of a Hybrid Optical Antenna on Engineered Silicon-on-Insulator	Dr. Mukesh Kumar	13.08.2018
6.	Ms. Manu Bansal	951006005	Study and Analysis of Minimization Algorithms for VLSI Circuit Synthesis	Dr. Alpana Agarwal	12.10.2018

Year 2017

Sr. No.	Name	Regn. No.	Topic	Name of the Supervisor(s)	Date of Viva-Voce
1.	Ms. Sabhyata Uppal	950906007	Design of Improved Coding Schemes with LoW Peak to Average Power Ratio for OFDM System	Dr. Sanjay Sharma & Dr. Hardeep Singh	17.02.2017
2.	Mr. Balveer Painam	901306004	Design and Performance Analysis of Photonic Crystal Waveguide for Bio-Chemical Sensing Applications	Dr. R. S. Kaler & Dr. Mukesh Kumar	11.08.2017
3.	Mr. Ajay Sharma	950806008	Performance Analysis of Atmospheric Turbulence	Dr. R. S. Kaler	11.08.2017

			Mitigation Techniques for Free Space Optical Communication		
4.	Mr. Garg Harish Kumar	951006003	Improved EEG Signal Analysis Techniques for Epileptic Spike Detection and Artifact Excision	Dr. Amit Kumar Kohli	02.09.2017
5.	Ms. Shivani Pasricha	950806015	Efficient Design of Iterative Decoding Algorithm and Architecture for Channel Coding	Dr. Sanjay Sharma	02.09.2017
6.	Mr. Ramnik Singh Randhawa	950906022	Design and Development of Optimized Cross Layer Framework for Wireless Sensor Networks	Dr. A. K. Verma	28.10.2017
7.	Ms. Sakshi Aneja	901406005	Design and Analysis of Multilevel Coding Scheme with Cooperative Diversity for Improved System Performance	Dr. Sanjay Sharma	28.10.2017
8.	Ms. Amanpreet Kaur	950906044	Study and Analysis of SEMG Signal for Enhancement of Above Shoulder Myoelectric Arm Functionality	Dr. Ravinder Agarwal & Dr. Amod Kumar	31.10.2017
9.	Mr. Supreet Singh	951206004	Performance Evaluation of Spectrum Sensing and RF Energy Harvesting for Cognitive Radios Based on SDR	Dr. Surbhi Sharma	01.11.2017
10.	Ruchi	951106005	Synthesis and Optimization of Time Modulated Antenna Array	Dr. Banani Basu	01.11.2017
11.	Ms. Harpreet Vohra	950906046	Efficient Test Solutions for System on Chip	Dr. Indranil Sen Gupta & Dr. Amandeep Singh	01.11.2017
12.	Mr. Pradeep Kumar Teotia	951306002	Performance Analysis of Surface Plasmon Resonance Waveguide for Sensing Applications	Dr. R. S. Kaler	18.12.2017

Year 2016

Sr. No.	Name	Regn. No.	Topic	Name of the Supervisor(s)	Date of Viva-Voce
1.	Ms. Yugnanda	950906031	Performance Enhancement of Long Haul Ultra Dense WDM Systems	Dr. R. S. Kaler & Dr. Enakshi Sharma	06.01.2016
2.	Mr. Govind Singh Patel	950806009	Algorithm and Architecture Design of DDS Synthesizers for Improved Performance of PLL	Dr. Sanjay Sharma	29.01.2016
3.	Mr. Pawan Kumar Singh	950906011	Estimation of Noise in High Performance VLSI Circuits	Dr. Sanjay Sharma	12.02.2016
4.	Mr. Tarun Sharma	951106002	Design and Simulation of an Efficient Hybrid Plasmonic-Photonic Waveguide	Dr. Mukesh Kumar	11.04.2016
5.	Ms. Teena Mittal	950906017	Speaker Dependent Hindi Speech Recognition Using Optimized Classifiers	Dr. R. K. Sharma	29.07.2016
6.	Ms. Sukhdeep Kaur	950806017	Compact UWB Antenna Design for Personal Area Network Wireless Applications	Dr. Rajesh Khanna	30.08.2016
7.	Ms. Amanpreet Kaur	950906043	Studies on Stacked Patch Antennas for WLAN Applications	Dr. Rajesh Khanna & Dr. M. V. Kartikeyan	09.09.2016
8.	Mr. Anil Singh	901106001	Studies on OPAMP-Less Pipelined Analog to Digital Converter for Deep Submicron Technologies	Dr. Alpana Agarwal	22.09.2016
9.	Mr. Deepak Batra	950906009	Designing of Enhanced Gain Aperture Coupled Dielectric Resonator Antenna	Dr. A. K. Kohli & Dr. Sanjay Sharma	04.11.2016
10.	Mr. Rajesh Kumar	950906036	Gas Sensing Properties of Nanostructured Tin/Zinc Oxide Thin Films	Dr. Rajesh Khanna & Dr. G. L. Sharma	08.11.2016

Year 2015

Sr. No.	Name	Regn. No.	Topic	Name of the Supervisor(s)	Date of Viva-Voce
1.	Mr. Navneet Yadav	950906012	Robust Image-Adaptive Watermarking Scheme with Strength Factor Analysis	Dr. Kulbir Singh	22.12.2015
2.	Mr. Dharmvir Jain	950906026	Design and Analysis of Dynamically Grouped Multilevel Space-Time Trellis Code	Dr. Sanjay Sharma	31.10.2015
3.	Mr. Atul Bansal	950906023	Iris Recognition System for Some Clinical Applications	Dr. R. K. Sharma & Dr. Ravinder Agarwal	31.10.2015
4.	Ms. Amrita	950906016	Analysis and Design of Adaptive Volterra Filters for System Identification in Time-Varying Environment	Dr. Amit Kumar Kohli	31.10.2015
5.	Mr. Karmjit Singh Sandha	950906019	Modeling and Analysis of Temperature Dependence of Multiwall Carbon Nanotubes for VLSI Interconnects	Dr. Balwinder Raj	26.10.2015
6.	Mr. Praveen Kumar Khosla	950906003	Design and Analysis of Velocimetry for Supersonic Sled System	Dr. Rajesh Khanna & Dr. Sanjay Sood	09.10.2015
7.	Mr. Davinder Parkash	950806004	Multiband Antenna Structures for Heterogeneous Wireless Systems with Improved Performance	Dr. Rajesh Khanna	10.08.2015
8.	Mr. Ankush Kansal	950806005	Throughput Analysis of OFDM Based Wireless System With FrFT	Dr. Kulbir Singh & Dr. Rajiv Saxena	07.08.2015
9.	Ms. Sanmukh Kaur	950906024	Implementation of all Optical arithmetic and logic unit based on nonlinear properties of semiconductor optical amplifiers	Dr. R. S. Kaler & Dr. T. S. Kamal	24.06.2015
10.	Mr. Rakesh	950906025	Performance Analysis of Hybrid Passive Optical Networks	Dr. R. S. Kaler & Dr. T. S. Kamal	24.06.2015
11.	Mr. Paras Chawla	950806013	Performance Analysis of Frequency Reconfigurable Antenna Using RF MEMS	Dr. Rajesh Khanna	17.02.2015

Year 2014

Sr. No.	Name	Regn. No.	Topic	Name of the Supervisor(s)	Date of Viva-Voce
1.	Ms. Kiran Ahuja	950806010	Wireless Network Selection Algorithm for Multimedia Services in Heterogeneous Environment	Dr. Rajesh Khanna & Dr. Brahmjit Singh	19.11.2014
2.	Mr. Himanshu Monga	90706504	Performance Evaluation of Optical Code Division Multiple Access System	Dr. R. S. Kaler	05.11.2014
3.	Ms. Nidhi	950906002	Performance Analysis and Design of Fiber Gratings for Sensing Applications	Dr. R. S. Kaler & Dr. Pawan Kapur	18.10.2014
4.	Mr. Simranjit Singh	951006009	Performance Optimization of Hybrid Optical Amplifiers for Dense Wavelength Division Multiplexed System	Dr. R. S. Kaler	15.11.2014
5.	Mr. Nitin	951006002	Design and Implementation of Multiband and Broadband Microstrip Antennas for Wireless Systems	Dr. Rajesh Khanna	15.11.2014
6.	Ms. Jaswinder Kaur Dhingra	950906027	Multi-Frequency Wideband Microstrip Patch Antenna For Wireless Applications	Dr. Rajesh Khanna & Dr. M. V. Kartikeyan	11.10.2014
7.	Mr. Sanjeev Roshan Lal Dewra	900906005	Performance Analysis of DWDM Systems with Optical Add Drop Multiplexers and Optical Cross Connects	Dr. R. S. Kaler & Dr. Kuldeep Singh	14.10.2014
8.	Mr. Navdeep Goel	950906042	Studies on Convolution and Correlation Theorems for the Linear Canonical Transform and their applications in Signal Processing	Dr. Kulbir Singh	15.09.2014
9.	Mr. Rajiv Kumar	90706502	Quality of Service Based vertical Handoff in Heterogeneous Wireless Networks	Dr. Rajesh Khanna	29.08.2014
10.	Ms. Pooja	950806014	Design and Analysis of Variable Digital Filters using	Dr. Rajesh Khanna	26.08.2014

			Fractional Fourier Transform	& Dr. S. S. Bhatia	
11.	Mr. Simranjit Singh	950906047	Analysis and Performance Evaluation of Reception Schemes for Correlated MIMO System	Dr. Rajesh Khanna & Dr. Manjeet Singh Patterh	11.07.2014
12.	Mr. Rajeev Ratan	950906010	Design and Implementation of Efficient Structures for Digital Interpolators	Dr. Sanjay Sharma & Dr. Amit Kumar Kohli	08.07.2014
13.	Ms. Vishav Jyoti	900906001	Security Enhancement in Optical Code Division Multiple Access Network	Dr. R. S. Kaler	30.06.2014
14.	Mr. Sanjay Kumar	950906014	Analysis and Design of Non Recursive Digital Differentiators in Fractional Domain for Signal Processing Applications	Dr. Kulbir Singh & Dr. Rajiv Saxena	22.03.2014
15.	Mr. Mayank Kumar Rai	950906018	Cross Talk Analysis in Carbon Nanotube Based VLSI Interconnects	Dr. Rajesh Khanna & Late Dr. Sankar Sarkar	08.03.2014

Year 2013

Sr. No.	Name	Regn. No.	Topic	Name of the Supervisor(s)	Date of Viva-Voce
1.	Ms. Neeru Jindal	90706503	Performance of Fractional Transforms in Image and Video Processing	Dr. Kulbir Singh	26.12.2013
2.	Mr. Jagjit Kumar Sharma	90706501	Implementation and Performance Analysis of Various Techniques for snow cover Monitoring in Western Himalayas	Dr. Rajesh Khanna & Dr. V. D. Mishra	12.11.2013
3.	Mr. Shyam Akashe	950806016	Low Power Memory Cell Design	Dr. Sanjay Sharma	25.10.2013
4.	Ms. Ruchi Pasricha	950806007	Digital Compensation for the Non-Linearity of RF Amplifiers in Wideband Wireless Applications	Dr. Sanjay Sharma	04.10.2013