Faculty of Engineering & Technology,

Department of Electrical & Electronics Engineering

List of Ph.D. Ongoing Scholars

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Registration No.** | **Name of The Candidate** | **Topic of Research** | **Name of Supervisor** | **Name of Co- Supervisor** | **Date of Registration** | **Submitted** |
| 1 | 17159003 | Mr. Ajay Kumar | Performance Enhancement of ROF Communication System  Based on Advanced Optical Signal Upconversion Techniques | Dr. Deepak Kedia | Dr. Shelly Singla | 30.03.2017 | Yes |
| 2 | 180150090001 | Ms. Nidhi | Design and Analysis of Analog Inverse Active Filters Employing Modern Active Building Blocks | Dr. Ramnish Kumar | - | 27.03.2018 | - |
| 3 | 180150090003 | Ms. Rajni | Improved Design of Low Power and High Speed Digital FIR Filter using VLSI | Prof. Sanjeev Kumar Dhull | - | 27.03.2018 | - |
| 4 | 180150090005 | Mr. Avinash Kumar | Performance Evaluation of Techniques for Mitigation of Nonlinearities in Rof Based Wireless Networks | Dr. Abhimanyu Nain | Dr. Shelly Singla | 15.11.2018 | - |
| 5 | 180150090006 | Ms. Anuja | Speech Emotion Recognition Using Machine Learning Techniques | Prof. Sanjeev Kumar Dhull | - | 15.11.2018 | - |
| 6 | 180150090007 | Mr. Sahil Khokhar | Advanced Character Detection & Recognition System Using Soft Computing Techniques | Prof. Deepak Kedia | Prof. Pawan Kumar Dahiya | 15.11.2018 | Yes |
| 7 | 190150090001 | Ms.Vanita Mehta | Design and Modeling of Nanoscale Gate All Around MOSFET. | Prof. Sandeep  K.Arya | Prof. Rajiv  Sharma | 26.03.2019 |  |
| 8 | 19015009004 | Ms. Vinita | A Novel Approach for Solar PV Power forecasting using Artificial Neural Network | Dr. Abhimanyu Nain (ECE) | Dr. Sumit, A.P (EE), GJUS&T, Hisar | 04.03.2020 | - |
| 9 | 19015009005 | Ms. Anju Gupta | Implementation and Analysis of Motion Detection for Corrective Index of Exercise Executed | Dr. Sanjeev Kumar Dhull (ECE) | Dr. Sanjeev Kumar, Senior Scientist, Biomedical Instrumentation, CSIF-CSIO, Chandigarh | 04.03.2020 | - |
| 10 | 19015009006 | Ms. Ankita Rani | Design of an Improved RoF System With ML Assisted Performance Monitoring | Dr. Deepak Kedia (ECE) | - | 04.03.2020 | Yes |
| 11 | 19015009007 | Ms. Kamaldeep Kaur | Performance Analysis of Improved RoFSO based Communication Networks | Dr. Abhimanyu Nain (ECE) | - | 04.03.2020 | Yes |
| 12 | 200150090101 | Mr. Navin Kumar | RISC-V based Reconfigurable Channel Coding Schemes for 5G and a Iot applications | Dr. Deepak Kedia (ECE) | Dr. Gaurav Purohit, Senior Scientist, CEERI, Pilani (Raj) | 16.12.2021 | - |
| 13 | 190150090101 | Ms. Manju | Improved Design of CMOS based Digital Controlled Oscillator for Low Power VLSI Applications | Dr. Ramnish Kumar | Dr. Manoj Kumar, Professor, ECE, GGSIPU, New Delhi | 16.12.2021 | --- |
| 14 | 200200090102  (EE) | Mr. Kalyan Singh | Performance Enhancement of Franctional-order PID Controller based Inverter for Single phase Gride integrated system with Solar and Wind Power. | Dr. Sumit | Prof. (Dr.) Avnesh Verma | 17.03.2022 | - |
| 15 | 200200090104  (EE) | Mr. Krishan Kumar | Wind Power Forecast System Using Artificial Intelligence Approach. | Dr. Priti Prabhakar | Prof. (Dr.) Avnesh Verma | 17.03.2022 | - |
| 16 | 210150090101 | Pravesh Kumari | Investigations on Multitone Optical Communication Systems for RoF Applications | Dr. Sandeep Arya (ECE) | Dr. Vinod Kumar (ECE) | 21.10.2021 | - |
| 17 | 210150090102 | Suman Dahiya | A Hybrid framework for the routing problem in Ultra Dense Network using Q-learning and Machine Learning | Dr. Sanjeev Kumar Dhull(ECE) | Dr. Ramnish | 27.12.2023 | -- |
| 18 | 210190090101  (EE) | Ms. Nisha Sharma | Phasor Assisted Power System Voltage Stability Monitoring and Enhancement using FACTS | Dr. Priti Prabhakar | Prof. Avnesh Verma, Department of Instrumentation, KUK | 01.06.2023 | -- |
| 19 | 220150090101 | Agrakshi Mehta | Acoustic Scene Classification using ML techniques. | Dr. Manisha Jangra | Dr. Ritu Boora | 12.03.2024 | -- |
| 20 | 220150090102 | Rachna Devi | Design and Analysis of Efficient Antennas for Breast Tumor Detection | Prof. Sanjeev Kumar Dhull | Dr. Priyanka Dalal | 12.03.2024 | -- |
| 21 | 220150090104 | Renuka Poonia | Hybrid Optimization approach for handoff strategy-based spectrum allocation in cognitive radio network. | Dr. Priyanka Dalal (ECE) | - | 12.03.2024 | -- |