

| S. No. | Roll No. | Name | Degree Name | Department | Thesis title |
|--------|-----------|----------------------|----------------------|--|--|
| 1 | 163411201 | Garima Chaudhary | Doctor of Philosophy | Applied Sciences (Chemistry) | Development of MCM-41 Functionalized Novel Organic-Inorganic Hybrid Mesoporous Materials for Catalysis and Metal ion Sensing |
| 2 | 173221205 | Arshvardhan Choudha | Doctor of Philosophy | Electronics and Communication Engineering | Development and Measurement Uncertainty Estimation of Force Transducers |
| 3 | 163231103 | Kritika Bansal | Doctor of Philosophy | Electrical and Electronics Engineering | Aperiodic Sampled-data Control of Networked Systems Under Communication Constraints |
| 4 | 163311201 | Neeraj Kumar | Doctor of Philosophy | Mechanical Engineering | Train Scheduling and Rescheduling for the India Railway Network |
| 5 | 173221207 | Neelam Barak | Doctor of Philosophy | Electronics and Communication Engineering | Applications of Electrically Tunable Lens in Microscopy |
| 6 | 173431201 | Vinit Kumar Tripathi | Doctor of Philosophy | Applied Sciences (Mathematics) | Linear and Nonlinear Stability Analysis of Double Diffusive Convection in a Fluid Layer |
| 7 | 183441101 | Naveen Chand | Doctor of Philosophy | Applied Sciences (Environmental Science and Engineering) | Removal of Pollutants from Wastewater using Constructed Wetlands |
| 8 | 183221104 | Prabhakar Agarwal | Doctor of Philosophy | Electronics and Communication Engineering | Development of Efficient Algorithms for the Classification of Imagined Speech |
| 9 | 173221210 | Suruchi Sharma | Doctor of Philosophy | Electronics and Communication Engineering | Design of Tunnel Field Effect Transistor for Low-Power and High-Performance Application |
| 10 | 183221101 | Alok Kumar Mishra | Doctor of Philosophy | Electronics and Communication Engineering | Design and Analysis of Low Power Memory Elements for High Speed VLSI Circuits |

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|----|-----------|-----------------|----------------------|---|--|
| 11 | 163431101 | Hemant Parashar | Doctor of Philosophy | Applied Sciences (Mathematics) | Penetrative Convection in a Ferrofluid Saturated Porous Layer |
| 12 | 163211202 | Rajesh Kumar | Doctor of Philosophy | Computer Science and Engineering | Dynamics on Multilayer Networks: Synchronization and Robustness |
| 13 | 173221202 | Ashima | Doctor of Philosophy | Electronics and Communication Engineering | Design and Analysis of Charge Plasma Induced Graded Channel Nanotube FET and its Biosensor Applications |
| 14 | 183221102 | Ashima Sharma | Doctor of Philosophy | Electronics and Communication Engineering | Device Modeling of Oxide Thin-Film Transistors |
| 15 | 173221208 | Preeti Mehta | Doctor of Philosophy | Electronics and Communication Engineering | Digital Image Forensic Techniques for the Detection of the Image Rebroadcast Attacks |
| 16 | 183231101 | Nitish Kumar | Doctor of Philosophy | Electrical and Electronics Engineering | Machine Learning Based Hybrid Energy System for Household and Industrial Applications |
| 17 | 193431102 | Prachi Priya | Doctor of Philosophy | Applied Sciences (Mathematics) | Mathematical Modelling for Linear and Non-Linear Pressure Drop over Barriers in Partially Reflecting Arbitrary Shaped Port |
| 18 | 173221201 | Aijaz Ahmed | Doctor of Philosophy | Electronics and Communication Engineering | Design and Development of Indirect Near Field Holographic System for Microwave Imaging |
| 19 | 173311201 | Alok Ranjan | Doctor of Philosophy | Mechanical Engineering | Mechanical and Tribological Investigations of Aluminium Metal Matrix Composites |
| 20 | 183222105 | Pragya Gupta | Doctor of Philosophy | Electronics and Communication Engineering | Design of Printed MIMO Antenna for Wireless and Biomedical Applications |

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|----|-----------|--------------------|----------------------|---|---|
| 21 | 163311202 | Appurva Jain | Doctor of Philosophy | Mechanical Engineering | Experimental Measurements and Numerical Prediction of Rupture in Ductile Material during Mechanical Testing |
| 22 | 193431101 | Divya Sardana | Doctor of Philosophy | Applied Sciences (Mathematics) | CMIP6 Model Evaluation and Projection of Sea Surface Height Associated with Natural Climate Variability |
| 23 | 183221103 | M. Manigandan | Doctor of Philosophy | Electronics and Communication Engineering | Underwater Image Enhancement Techniques with Illumination Correction and Detail Preserving |
| 24 | 183211105 | VIJAYANT PAWAR | Doctor of Philosophy | Computer Science and Engineering | Scalable and Secure Healthcare Framework Using Blockchain for Operational Interoperability |
| 25 | 183231103 | SRINIVAS CHIKKAM | Doctor of Philosophy | Electrical Engineering | Fault Detection and Diagnosis of 3-Phase Induction Motor Employing Advanced Spectral Techniques and Machine Learning for Stator Current |
| 26 | 193231101 | NITESH KUMAR SINGH | Doctor of Philosophy | Electrical Engineering | Design and Modelling of CdTe and Environmental Friendly Perovskite Solar Cell for Photovoltaic Applications |
| 27 | 193311101 | MEENA PANT | Doctor of Philosophy | Mechanical Engineering | A comprehensive investigation of Mechanical Properties and Dimensional Analysis of 316L Stainless Steel Additive Manufactured Parts |

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|----|-----------|---------------------|----------------------|--|---|
| 28 | 163231201 | Deepak Kumar | Doctor of Philosophy | Electrical and Electronics Engineering | Analysis, Design and Control of Three-Port Battery Integrated DC-DC Converters for LVDC Systems |
| 29 | 183211101 | NEHA BANSAL | Doctor of Philosophy | Computer Science and Engineering | Data Modelling and Database Migration for NoSQL Data Base |
| 30 | 183211103 | Shailza Kanwar | Doctor of Philosophy | Computer Science and Engineering | Design and Development of Cross-Project Defect Prediction Model for Software Testing using Machine Learning |
| 31 | 153512201 | SANJEEV KUMAR SH | Doctor of Philosophy | Applied Sciences (Humanities & Management) | Developing Strategic Financing Options for National Institutes of Technology |
| 32 | 183231104 | SURBHI AGGARWAL | Doctor of Philosophy | Electrical Engineering | Impact Analysis of Electric Vehicle Charging Station on Electrical Power Systems |
| 33 | 193231103 | SHUBHAM KUMAR SINGH | Doctor of Philosophy | Electrical and Electronics Engineering | Intelligent Control of Hybrid Energy System for Sustainability and Enhanced Power Quality |
| 34 | 173221203 | Ashish Mishra | Doctor of Philosophy | Electronics and Communication Engineering | Design and Performance Analysis of Dynamic Comparator |
| 35 | 193221102 | Rajesh Yadav | Doctor of Philosophy | Electronics and Communication Engineering | Graphene-Based Antennas with Enhanced Characteristics for Sub-THz/THz Frequency Applications |
| 36 | 193231102 | Rajvardhan Jigyasu | Doctor of Philosophy | Electrical and Electronics Engineering | Multiple Faults Detection and Diagnosis of Induction Motor using Machine Learning |