**Appendix-B**

**LIST OF SHORTLISTED NOMINATIONS AT DOCTORAL LEVEL – PARALLEL SESSION (Group B)**

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| **S. No.** | **Time slot** | **Nominee** | **College / Institute** | **Title of Thesis** | **Engineering Discipline** |
| P-8 | 10:20-10:40 | Asha Das | Cochin University of Science and Technology, kerala | Automated Nuclear Plemorphism Scoring in Histopathological Breast Cancer Images | Computer Engineering & Information Technology |
| P-12 | 10:40-11:00 | Sandeep S Udmale | Indian Institute of Technology (IIT BHU), Varanasi | Intelligent Computing Techniques for Vibration Data Analysis | Computer Engineering & Information Technology |
| P-13 | 11:00-11:20 | Nazil Perveen | Indian Institute of Technology Hyderabad | Learning Representations for Sponetaneous Facial Expression Recognition in an unconstrained environment | Computer Engineering & Information Technology |
| P-38 (B) | 11:20-11:40 | Priyank Mukeshkumar Shah | Indian Institute of Technology Delhi | Adaptive Control Strategies for Resilient Operation of Grid Interfaced Solar Energy Conversion System Enabling Power Quality Improvement | Electrical Engineering |
| P-40 | 11:40-12:00 | Shubh Lakshmi | Indian Institute of Technology Guwahati | Modelling and allocation Planning for Opened Unified Power Quality conditioner to improve operational performance of radial Distribution Networks | Electrical Engineering |
| P-43 | 12:00-12:20 | Venkatramanan D | Indian Institute of Science, Bangalore | Modeling, Analysis and control of Reconfigurable Battery/Grid Tied Solar Photo-Voltaic Inverter | Electrical Engineering |
| P-45 | 12:20-12:40 | Shailendra Singh | Indian Institute of Technology (BHU) Varanasi | Energy conservation in Active Distribution Network via smart Volt/VAR control | Electrical Engineering |
| P-48 | 12:40-13:00 | Geethu Joseph | Indian Institute of Science Bangalore | Linear dynamical systems with Sparsity Constraints: Theory and algorithms | Electronics & Communication Engineering |
| **S. No.** | **Time slot** | **Nominee** | **College / Institute** | **Title of Thesis** | **Engineering Discipline** |
| P-49 | 13:00-13:20 | Karthikeya G. S | Indian Institute of Technology Delhi | Millimeter Wave antennas for 5G mobile terminals and base stations | Electronics & Communication Engineering |
| P-51 | 14:30-14:50 | Sayan dey | Indian Instiyute of Technology Kharagpur | NiO Based Sensors for VOC and Heavy Metal ION Detection | Electronics & Communication Engineering |
| P-53 | 14:50-15:10 | Anju Jose Tom | National Institute of Technology Calicut | Design of Moving Object Detection Schemes for Challenging Surveillance Environments | Electronics & Communication Engineering |
| P-69 | 15:10-15:30 | Debanjan Das | Indian Institute of Science Bangalore | New avenues to transition metal-based water splitting electrocatalysts | Energy Engineering |
| P-75 | 15:30-15:50 | Neha Singh | Indian Institute of Technology Delhi | Design of Robotic hand based Intervention with Brain Stimulation Applications for Post stroke Neuro-rehabilitation | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |
| P-78 | 15:50-16:10 | Souvik Ghosh | Indian Institute of Science Bangaluru | Optical and opto-thermal route towards dynamic nanomanipulation in fluids | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |
| P-80 | 16:10-16:30 | Arun PV | Indian Institute of Technology Bombay | Novel deep learning algorithms and architectures for hyperspectral image processing | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |
| P-81 | 16:30-16:50 | Ramya Veerubhotla | Indian Institute of Technology Kharagpur | Development of portable micro scale power generation devices using electrogenic bacteria | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |