

Ongoing PhDs

| Sl. No | Name | Area/ Title | Research Supervisors | Scheme(FT/ PT/QIP/ External/Internal) |
|---------------|----------------------|---|--|--|
| 1. | Febina Beevi | 2 DOF Controller design | Dr. Jeevamma Jacob, Dr. T K Sunilkumar | FT |
| 2. | Sreekanth M. | Modeling and control of SMA activated unconventional locomotion system | Dr. Abraham T. Mathew, Dr. M. Vijayakumar | FT |
| 3. | Guguloth Ramesh | Congestion Management in Restructured Power Systems with FACTS and Micro Grid | Dr. T K Sunilkumar | FT |
| 4. | Parthish Kumar Paul | Robust control techniques for stabilization of nonlinear MIMO systems | Dr. Jeevamma Jacob | PT |
| 5. | M. Pala Prasad Reddy | Investigation on modeling and vibration suppression of single flexible link manipulator | Dr. Jeevamma Jacob | PT |
| 6. | Meenu D Nair | Design space exploration of SVPWM | Dr. Mukti Barai | FT |
| 7. | Aniruddha K M | Distributed MPPT for grid connected PV system | Dr. Mukti Barai | FT |
| 8. | Sujo P. George | Adaptive relaying for Smart Grid Applications | Dr. Ashok S. | FT |
| 9. | Ashmi M. | Control of drives for orthopedic assistive limb | Dr. K S Sivanandan, Dr. S. Jayaraj | FT |
| 10. | Shalu George K | Control of Orthopedic Applications | Dr. K S Sivanandan | QIP |
| 11. | Rehna Nalakath | Optimal Control | Dr. M P Nandakumar | FT |
| 12. | Shijoh V | Modeling, state estimation and control of hybrid systems | Dr. M V Vaidyan | PT |

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| 13. | Dheeraj K. | Feedback linearization using neural networks | Dr. M.P. NandaKumar | FT |
| 14. | Devika K B | Sliding mode control for autopilot design for air traffic control | Dr. Susy Thomas | FT |
| 15. | Rinu Alice Koshy | Design of discrete time SMC for non linear systems | Dr. Susy Thomas | PT |
| 16. | Priya N. | Design of Controller for interval systems | Dr. T K Sunilkumar | PT |
| 17. | Nisha P V | Filtering of Electromagnetic Interference in Power Systems | Dr. Sindu T K, Dr. Elizabeth P. Cheriyan | PT |
| 18. | Sony Kurian | Design and Implementation of Grid Connected Wind energy System and Battery Storage with Power Scheduling | Dr. Elizabeth P. Cheriyan, Dr. Sindhu T K | PT |
| 19. | Shingare Deodatta Yashawant | Dynamic support of DFIG based wind energy conversion system to grid | Dr. Sunil Kumar T K | QIP (Poly) |
| 20. | Suresh K. Damodaran | Optimal Environmental Economic dispatch in a Deregulated Power system | Dr. Sunil Kumar T K | QIP |
| 21. | Mini V. | Reactive power management in Deregulated Power system | Dr. Sunil Kumar T K | QIP |
| 22. | Mary Reena K E | Modeling and control of cyber physical systems | Dr. Abraham T. Mathew, Dr. Lillykutty Jacob | QIP |
| 23. | Joseph Peter | Constant Switching Frequency Hysteresis Controlled VSI fed Induction motor drives | Dr. Rijil Ramchand | FT |
| 24. | Biju K. | Application of Multilevel inverter for renewable energy systems | Dr. Rijil Ramchand | PT |
| 25. | G Vivek | Multilevel SVPWM | Dr. Mukti Barai | FT |
| 26. | Sivaprasad A. | Development of multi input DC-DC converter topologies for hybrid Renewable energy integration | Dr. Kumaravel S. , Dr. Ashok S. | FT |
| 27. | Nithin Raj | Fault detection of multilevel inverters | Dr. Saly George , Dr. Jagadanand G. | FT |
| 28. | Jino M. Pattery | Self-healing distribution network with IEC 61850 Interoperability | Dr. Elizabeth P. Cheriyan, Dr. Rijil Ramchand | PT |

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| 29. | Deepthi S. Nair | Torque ripple reduction of BLDC motor | Dr. Jagadanand, Dr. Saly George | FT |
| 30. | Pratheesh K J | Space vector PWM techniques for multilevel inverters | Dr. Rijil Ramchand, Dr. Jagadanand G | FT |
| 31. | Abhilash T. Vijayan | Visual Servoing of Industrial Robots | Dr. Ashok S. | QIP |
| 32. | Rajashree Raghavan | MPC for nonlinear systems | Dr. Susy Thomas | QIP |
| 33. | M J Laly | Modeling and Control of Micro grids | Dr. Abraham T. Mathew, Dr. Elizabeth P. Cheriyan | QIP |
| 34. | Rohit K. Mathew | Resiliency and Reliability Assessment of Electric Power Systems | Dr. Ashok S. , Dr. Kumaravel S. | FT |
| 35. | Sandeep J. | Indirect Matrix Converter fed PMSM drive | Dr. Rijil Ramchand, Dr. Ashok S. | FT |
| 36. | Jaya C K | Investigations on dynamic security assessment of power system | Dr. Sunitha R. , Dr. Abraham T. Mathew | FT |
| 37. | Suraj Damodaran | Robotics and Control | Dr. T K Sunilkumar | FT |
| 38. | Parvathy P. | Inverse Optimal Control: Application to flight control system | Dr. M P Nandakumar | FT |
| 39. | Haseena K A | Robust control applications in power systems | Dr. Jeevamma Jacob, Dr. Abraham T. Mathew | FT |
| 40. | Nimmy John T. | Characterization of EEG signals in Alzheimer's | Dr. Subha D P | FT |
| 41. | Vinu Thomas | Control Strategies for Hybrid AC-DC Microgrids | Dr. Kumaravel S. , Dr. Ashok S. | FT |
| 42. | Akhil Vinayak B. | Condition monitoring of inverter connected Induction Machine | Dr. Jagadanand G | FT |
| 43. | Jineeth Joseph | Condition Monitoring of Power Cables | Dr. Sindhu T K | FT |
| 44. | Anjana K G | Solar Inverters | Dr. Mukti Barai | FT |
| 45. | Retheep Raj | Design and Control of Electromyography Driven Biomedical Supporting System | Dr. K S Sivanandan | FT |
| 46. | Sigi C. Joseph | Low voltage DC nano-grid | Dr. Ashok S. | External |
| 47. | Joseph P Varghese | Multi agent based power system assessment | Dr. Ashok S. , Dr. Kumaravel S. | PT |
| 48. | Avinash Nelson | Characterization of Polymer Nano Composites | Dr. Preetha P. , Dr. Sunitha K. | FT |

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| 49. | Anjali Anand K | Fault detection of Multilevel Inverters | Dr. Saly George Dr. Jagadanand G | FT |
| 50. | Muthavarapu Aswini Kumar | Modular multilevel inverters | Dr. Mukti Barai | FT |
| 51. | Rohikaa Micky R | Dynamic Security Assessment of microgrids | Dr. Sunitha R Dr. Ashok S | FT |
| 52. | Jayakrishnan S R | Analysis and mitigation of SSR in DFIG based wind farm | Dr. Elizabeth P.Chериyan, Dr. Sindhu T K | FT |
| 53. | Ahammed Muneer K V | Biomedical Image Processing | Dr. Paul K. Joseph | PT |
| 54. | Athira Raju | Power electronics applications in Power systems | Dr. Elizabeth P. Cheriyan, Dr. Rijil Ramchand | FT |
| 55. | Subhash K M | Biomedical signal processing | Dr. Paul Joseph K. | Internal |
| 56. | Grace Sadhana S | Power system stability and control on HRES | Dr. S Ashok & Dr. Kumaravel S | FT |
| 57. | Binu Krishnan U | Central control and optimum design of microgrid | Dr. Mija S J , Dr. Elizabeth P Cheriyan | FT |
| 58. | Gowrishankar S | Electric field computation in polymeric insulators | Dr. Sunitha K | FT |
| 59. | Nidya M V | Modelling and control of Aerodynamic systems | Dr. Jeevamma Jacob, Dr. Mija S J | FT |
| 60. | Ravishankar A N | Power & Energy Systems | Dr. S Ashok & Dr. Kumaravel S | FT |
| 61. | Vidya M S | EMI issues in smart grid | Dr. Sunitha K, Dr. Ashok S | PT |
| 62. | Hemarani P | Power Electronics | Dr. Saly George, Dr. Ashok S | Internal |
| 63. | Smitha B | Biomedical image processing. | Dr. Paul Joseph K. | FT |
| 64. | Lekshmi Mohan | Nano-composites for electro magnetic interference shielding | Dr. Sunitha K. Dr. Sindhu T K | FT |
| 65. | Femi Thomas | Control Systems | Dr. Mija S J | FT |
| 66. | Mohammed Shafi | Electrical Drives | Dr. Rijil Ramchand | FT |
| 67. | Megha G Krishnan | Robotics | Dr. S Ashok | FT |
| 68. | Janesh N M | Wind Energy Engineering | Dr. Ashok S Dr. Kumaravel S. | PT |
| 69. | Subin Koshy | Wide area measurement based security assessment for | Dr. Sunitha R. | FT |

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| | | smart grid | Dr. Elizabeth P. Cheriyan | |
| 70. | Haritha G | Stability improvement of microgrid operation | Dr. Kumaravel S. Dr. Ashok S | FT |
| 71. | Pravika M | Control applications in biomedical engineering | Dr. Paul Joseph K Dr. Jeevamma Jacob | FT |
| 72. | Emmanuel Babu | Performance enhancement of electric motors | Dr. Kumaravel S. | PT |
| 73. | Priyalakshmi S | Bio-signal processing | Dr. Subha D P | FT |
| 74. | Biswajith Debnath | Enhanced BELBIC for MIMO system | Dr. Mija S J | FT |
| 75. | Saugato Dey | 3-axis platform stabilizer with target detection & tracking | Dr. Sunilkumar T K Dr. Ashok S | Internal |
| 76. | Gangavarapu Guru Kumar | Multi input dc to dc converters for renewable energy applications | Dr. Kumaravel S | FT |
| 77. | Joyce Jacob | Liquid nano dielectrics | Dr. Preetha P. Dr. Sindhu T K | FT |