

PhDs Completed List

1) Details of Ph.D Research Scholars Completed in the Department

Sl. No	Faculty	Title	Guide	Year of Award
1.	Dr R Subbayyan	Circuit equations as applied to Electric machines		1966
2.	Dr M C Vaithialingam	Sub-optimal design of linear regulators	Dr R Subbayyan	1976
3.	Dr G Gangadharan	Generalized characteristics for Multi – input protective relays	Dr A Shanmuga Sundaram	1977
4.	Dr R Nagarajan	Parameter adaptive control schemes for model reference linear discrete systems	Dr R Subbayyan	1977
5.	Dr V Subbiah	Investigations on the steady state operation of Thyristor bridge converters with general load	Dr S Palanichamy	1981
6.	Dr S N Sivanandam	New Algebraic stability criteria for linear systems	Dr K Surendran	1982
7.	Dr T B Parthasarathy	Studies on Design and compensation aspects of linear induction motors	Dr A Shanmuga Sundaram	1982
8.	Dr G Gurusamy	Exact analysis of on-off system with coulomb friction	Dr R Subbayyan	1983
9.	Dr K V Purushothaman	Investigations on microprocessor based Thyristor controlled DC Drive systems	Dr S Palanichamy	1984
10.	Dr A M Natarajan	Systems approach to rural dynamics	Dr R Subbayyan	1984
11.	Dr K Muhammad Zakariah	Analysis and optimisation of stiff systems through single term Walsh series and singular perturbation techniques	Dr R Subbayyan	1984
12.	Dr T Shanmugam	Trajectory sensitivity reduction in linear regulations using low-order model	Dr R Subbayyan	1984
13.	Dr T M Kameswaran	New schemes for the Saturistor control of Induction motor	Dr R Subbayyan	1985
14.	Dr C Muthu	Studies on different modes of operation of linear Induction motors	Dr A Shanmuga Sundaram	1986
15.	Dr P Chinnasamy	Investigations on semi -conductor fault-current limiters for use in Power systems	Dr S Palanichamy	1987
16.	Dr M Rangasamy	Analysis and control of compensation in linear induction motors	Dr A Shanmuga Sundaram	1991

17.	Dr A Thanushkodi	Analysis of performance and control of continuous and sampled – data systems via single-term walsh series	Dr S Palanichamy	1991
18.	Dr A Kandasamy	Development of Digital signal processing algorithms for microprocessor based data acquisition and analysis of Bio-Electric signals and an expert system for cardiology	Dr S Palanichamy	1992
19.	Dr A Nirmal Kumar	Certain Investigations on DC choppers and the control of Chopper Fed DC drives	Dr V Subbiah	1992
20.	Dr S Jayaraman	New algebraic Testing methods for the stability of Two-Dimensional and multi-dimensional digital filters	Dr.S.N.Sivanandam	1993
21.	Dr N Govindasamy	New stability testing methods for Two-dimensional and multidimensional digital systems	Dr S N Sivanandam	1994
22.	Dr M Rajaram	New Algebraic methods for analysis and design of linear time invariant systems	Dr S N Sivanandam	1994
23.	Dr A Shanmugam	Investigations on optical star local area network with modelling and performance evaluation	Dr S Palanichamy	1994
24.	Dr P Anbalagan	Developments in digital protection of EHV/UHV Transmission lines	Dr.G.Gangadharan	1995
25.	Dr K Sankara Narayanan	Development of PC based Bio-Electric Signal processing Techniques & Expert system for Biomedical Engineering	Dr G Gurusamy	1996
26.	Dr S Suresh Babu	Certain investigations on wind and solar based Electric Power conversion and conditioning systems.	Dr S Palanichamy	1997
27.	Dr A Sukesh Kumar	Certain investigations on performance of respiratory system and development of an expert system for diagnosis and treatment	Dr A Kandasamy	1998 June
28.	Dr A Chitra	Design of Neural Network classifiers for pattern recognition applications	Dr S N Sivanandam	1998 Oct
29.	Dr N Devarajan	New schemes for stability analysis and model reduction of linear discrete systems	Dr S N Sivanandam	1999 Oct
30.	Dr S Subha Rani	Development of soft computing based Hybrid models for optimal control applications	Dr G Gurusamy	2000 Mar
31.	Dr K Geetha	Certain investigations on AC voltage controllers with RLE load	Dr V Subbiah	2000 April

32.	Dr M Paulraj	Certain investigations on the stability and stabilisation of a class of neural and fuzzy systems	Dr S N Sivanandam	2001 April
33.	Dr S Sumathi	Application of Neuro fuzzy Genetic models for data mining	Dr S N Sivanandam	2002 Jan
34.	Dr M C Bhuvaneshwari	Development of new algorithms for Test generation and simulation of stuck-at faults in logic circuits.	Dr S N Sivanandam	2002 April
35.	Dr R Neelaveni	Certain Investigations on the Recognition of Epileptic patterns in Electroencephalograph signals	Dr G Gurusamy	2002 Aug
36.	Dr D Sivakumar	Rouths Test for stability and Stabilisation of Multi dimensional systems.	Dr S N Sivanandam	2003 Jan
37.	Dr K Murugesh Kumar	Certain Investigations on Energy Efficient Electric Drives.	Dr V Subbiah	2003 Jan
38.	Dr S Palanisamy	New Algebraic Schemes for Model Reduction of Linear time invariant systems.	Dr S N Sivanandam	2003 March
39.	Dr M R Vikraman	Certain Investigations on the Modelling and Simulation of Single Phase Active Power Filters	Dr A Kandaswamy	2004 May
40.	Dr Rajeswari Mariappan	Certain Investigations on Model Reduction and Stability of Interval Systems	Dr G Gurusamy	2005 Feb.
41.	Dr K Porkumaran	New Algebraic Criterion for Analysis and Design of Linear Systems	Dr S N Sivanandam	2005 April
42.	Dr C Sathish Kumar	Certain investigations on analysis of Respiratory Signals using novel techniques for Diagnosis and Modelling of Respiratory System under exercise	Dr.A.Kandaswamy	2005 July
43.	Dr P Anitha	Certain Investigations of Intelligent Tuning and Genetic Algorithm based Optimization of Flexible Hybrid Fuzzy PID Controllers”	Dr G Gurusamy	2005 July
44.	Dr G K Govindaraj	Certain Investigations on Optimal Design and Analysis of Linear Motor	Dr G Gurusamy	9.9.2005
	Dr Ila. Vennila	Certain Investigations on the Design of Optimum Linear Phase Fir Filters and Filter Banks	Dr. S. Jayaraman	3.11.2005 (ECE)
45.	Dr K R Chandran	New Stability Criterion for Linear Systems	Dr.S.N.Sivanandam	20.1.2006
46.	Dr R Rangarajan	Thermal Analysis of Electronics Devices and Circuits	Dr.A Kandaswamy	30.9.2006
47.	Dr S Suresh Kumar	Power Quality Improvement Methodologies	Dr. V. Subbiah / Dr. A.Kandaswamy	31.5.2007

48.	Dr J Kanakaraj	Investigations on New Techniques of State Variable Diagrams and System Modelling	Dr. G Gurusamy	12.6.2007
49.	Dr B Vinod	Design and Development of Power Failure Detector Modules for Control of Axis Runaway in CNC Machines	Dr. G Gurusamy	13.6.2007
	Dr. P Vijayakumar	Investigation on Retiming algorithms for power and relay optimization in CMOS Circuits	Dr. K Gunavathi	30.11.2007 (ECE)
50.	Dr. B. Sivakumar	Certain Investigations and Analysis on Interference suppression and Management Schemes for CDMA Wireless System	Dr. S. Suba Rani	03.3.2008
51.	Dr. H.S. Sheshadri	Certain Investigations on the Modification and Development of Image Processing Algorithms for Mammogram Analysis	Dr.A.Kandaswamy	09.4.2008
52.	Dr C.S Ravichandran	“New Schemes for the Determination of Reduced Order State Space Models of Discrete Time Linear Systems	Dr. S Subha Rani	23.7.2008
53.	Dr.T.Hamsapriya	Certain Investigations on a Parallel Computing for Engineering Applications	Dr. S.Sumathi	04.10.2008
54.	Dr. S.Suja	Investigations on Wavelet Based Power Signal Disturbance Identification and Classification	Dr.J.Jovitha Jerome	21.01.2010
55.	Dr. Uma Maheswari	Certain Investigations on Classification using Data Mining	Dr.S.Sumathi	25.02.2010
56.	Dr.V.Jagathesan	Solution to Eliminate the Lower Order Harmonics in VSI using Evolutionary Algorithms	Dr.J.Jovitha Jerome	23.09.2010
57.	Dr.Sharmila	Certain Investigations on Security Enhancement in Bluetooth Technology	Dr.R.Neelaveni	02.11.2010
58.	Dr. S. Esakkirajan	Image-adaptive multistage vector quantization scheme for different multiscale and multidirectional image representations	Dr.P.Navaneethan	12.11.2010
59.	Dr. L. Ashok Kumar	Studies On Inculcating Electronics In Textile To Develop Wearable Electronics	Dr.T.Ramachandran & Dr. Ila. Vennila	18.02.2011
60.	Dr.M.Jagadeeswari	Application of Evolutionary Algorithms for Partitioning in VLSI and Embedded Systems	Dr.M.C.Bhuvaneshwari	09.08.2011
61.	Dr. A.Soundararajan	Soft Computing Applications for Electrical Engineering	Dr. S. Sumathi	09.12.2011

62.	Dr.V.Kumar Chinnaiyan	Design, Experimentation and Analysis of Three Phase Multilevel Inverter With Reduced Power Quality Issues	Dr. J.Jovitha Jerome	02.01.2012
63.	Dr.P.S.Mayurappriyan	Analysis of horizontal axis wind turbine generators	Dr. J.Jovitha Jerome	26.04.2012
64.	Dr.R.Chitra	Pragmatic Methods for optimization of Low Voltage Distribution Network in Indian Scenario	Dr.R.Neelaveni	12.07.2012
65.	Dr.S.Jayanthi	Development of Algorithms for Test Generation and Simulation of Crosstalk Delay Faults in VLSI Circuits	Dr.M.C.Bhuvanewari	14.09.2012
66.	Dr.D.Sasikala	Investigations on Image Registration Techniques for Monomodal and Multimodal Brain Images	Dr.R.Neelaveni	12.10.2012
67.	Dr.S.Mary Praveena	Investigations on Image Fusion Optimization Techniques for Biomedical and Biometric Identification Systems	Dr. Ila. Vennila	31.10.2012
68.	Dr.D.Chandrakala	Investigations on Nature Inspired Computation based machine learning approaches for categorization of Real World Engineering Applications	Dr.S.Sumathi	18.02.2013
69.	Dr.G.Kandasamy	Application of Metalearistics to PID Controller Design or Dead-time Systems	Dr.J.Jovitha Jerome	04.03.2013
70.	Dr.T.Kanniayan	Development and Investigations on Textile based Sensors for the Continuous Measurement of Body Vital Signs and Kinematics	Dr.R.Neelaveni	12.04.2013
71.	Dr.G.Subhadhini	Application of Multi-objective Evolutionary Algorithms for Task scheduling in Heterogeneous Distributed Systems	Dr.M.C.Bhuvanewari / Dr.P.Navaneethan	27.02.2013
72.	Dr.M.Sundaram	Development of Efficient Techniques towards conservation of Energy in Submersible Motor-pumps for Agriculture and Irrigation	Dr.P.Navaneehan	03.07.2013
73.	Dr.T.Veerakumar	Adaptive Non-Linear Filtering with Improved Performance for Removal of High Density Impulse Noise in Images.	Dr. Ila. Vennila	26.07.2013
74.	Dr.K.S.Sujatha	Investigations on a few image classification methods & techniques for improving classification performance	Dr.B.Vinod	03.09.2013
75.	Dr.G.Gopu	Acquisition and Analysis of Electrogastrogram for Classification of Digestive System Disorders	Dr.R.Neelaveni	23.10.2013

76	Dr.Subbulekshmi D.	A study of Linearization and Decoupling Techniques applied to MIMO Nonlinear Interacting Processes	Dr.J.Kanakaraj	13.11.2013
77	Dr.T.Balakumaran	Microclacification Cluster Detection using Multiscale Products based Hessian Matrix Via the Foveal and Tsallis Thresholding schemes	Dr.Ila. Vennila	15.11.2013
78	Dr.K.Rajalakshmi	Certain Investigations of Low Power DSP Architectures for Filters used in the speech processor of cochlear implant	Dr.A.Kandaswamy	27.11.2013
79	Dr. F.T. Josh	Soft Computing Techniques for Power Electronics based Electric Drives	Dr. Jovitha Jerome	03.01.2014
80	Dr. A. Vetrivel	Power Quality Analysis using Wavelet Transform	Dr. Jovitha Jerome	10.01.2014
81	Dr. D. S. Harish Ram	Development of Multiobjective Evolutionary Algorithm Based Techniques for Power, Area, and Delay Optimization in High Level Synthesis	Dr.R.Neelaveni	20.01.2014
82	Dr. P. Raj Kumar	Efficient Microarray Segmentation Algorithm and Gene Selection Schemes for Cancer Classification in Microarray Data	Dr. Ila Vennila	13.02.2014
83	Dr.K.Sakthimala	Exploiting Cross-Layer Feedback to Enhance Up-Link TCP Performance for Best-Effort Applications in IEEE 802.16 BWA Systems	Dr.P.Navaneethan	20.02.2014
84	Mr. B.Paulchamy	Neuro-fuzzy filtering and Multiwavelet transformation for EEG signal for efficient removal for artifacts	Dr. Ila. Vennila	June 2011
85	Ms. P.Surekha	Investigation of Efficient Bio-inspired intelligent Paradigms for solving unique constraint based optimization problems	Dr. S. Sumathi	11.08.2014
86	Mr.S.Kathiravan	Investigation in Super-Resolution Techniques as applied to MRI and General Imagery	Dr.J.Kanakaraj	31.10.2014
87	Ms. R. Latha	Investigations on Control Techniques for Optimized operation and stability enhancement of Power Distribution system with Microgrid	Dr. J. Kanakaraj	03.11.2014
88	Ms.Judith Justin	Hybrid Models for Speech Recognition Enhancement and Quality Analysis	Dr.Ila. Vennila	23.01.2015

89	Ms.S.Brindha	Development of Multi Factor Authentication using Multimodal Biometrics and Quick Response Codes with Improved security and Accuracy	Dr.Ila. Vennila	03.06.2015
90	Mr. S. Maheswaran	Harmonic Elimination in Variable Frequency Drive using Optimization Techniques	Dr.L.Ashok Kumar	26.06.2015
91	Ms.J.Yogapriya	Development of Optimized texture features using Bio-inspired meta heuristic & Machine Learning algorithms for efficient retrieve of medical images	Dr.Ila. Vennila	05.08.2015

MS by Research Completed

Sl. No	Faculty	Title	Guide	Year of Award
1	Ms. M. Shanthi	Certain Investigations on Synthesis of CMOS Operational Amplifier using Evolutionary Techniques	Dr.M.C.Bhuvanewari	11.06.2010