

Centre for Research and Development (CFRD) – Ph.D's Produced / Awarded

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

S.No.	University Registration Number	Category (Full Time / Part Time)	Name of the Scholar	Name of the Supervisor / *Joint Supervisor	Thesis Title	Date of Viva voce Examination
1.	2011140015	Part-Time	Swarnambiga A	Dr.Vasuki S	Medical Image Registration and Retrieval for Computer Assisted Clinical Diagnosis	31.10.2014
2.	2011140013	Part-Time	Kala S	Dr.Vasuki S	Wavelet Based Hyperspectral Image Compression and Implementation in FPGA	07.12.2015
3.	2011240001	Part-Time	Siva Sundhara Raja D	Dr.Vasuki S	Development of Computer Aided Screening and Diagnosis System for Diabetic Retinopathy and Glaucoma Using Retinal Images	29.06.2016
4.	2011140011	Part-Time	Veera Senthil Kumar G	Dr.Vasuki S	Investigations of Band Selection Techniques and Endmember Extraction Algorithms for Hyperspectral Unmixing	15.06.2017
5.	2011140010	Part-Time	Karthikeyan P	Dr.Vasuki S	Development of Multiresolution Joint Bilateral and Decision Based Filtering Algorithms for Image Denoising and Implementation in FPGA	06.09.2018
6.	2011140012	Part-Time	Prabagar S	Dr.Vasuki S	Hybrid Steganography and Cryptography Techniques for Securing Medical Images	26.12.2018
7.	2012140024	Part-Time	Gandhimathi Alias Usha S	Dr.Vasuki S	Development of Post-Classification Change Detection Algorithms for Multispectral Imagery	18.12.2019
8.	2012141019	Part-Time	Kanaga Malliga S	Dr.Vasuki S	Object Recognition and Tracking for Video Surveillance Applications	30.07.2020
9.	17244797141	Full-Time	Dhivya P	Dr.Vasuki S	Development of Automated Cancer Diagnostic System for Breast and Prostate Histopathology Images	22.07.2021
10.	16234797420	Full-Time	Ram Victoria K R	Dr.Vasuki S	Design, Fabrication and Electrical Characterization of ZnO Thin Film Based Devices for UV Sensor Applications	16.06.2022
11.	1513479881	Part-Time	Saravana Kumar P	Dr.Vasuki S	Development of Computer Aided Classification and Centromere Detection System for G-Band Human Chromosome Images	24.05.2023
12.	18144691280	Part-Time	Manikandan S	Dr. Suveetha Dhanaselvam P	Analytical Modeling & Simulation of Junction Less Triple Material Cylindrical Surrounding Gate Silicon Nanowire Transistors	28.11.2022

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13.	17244791109	Part-Time	Vaishnavi V	Dr. Suveetha Dhanaselvam P	Wireless Monitoring and Analysis of Infants Activities by Deploying Evolutionary Algorithm	25.01.2023
14.	1615479206*	Part-Time	Arun Anoop M	Dr.Karthikeyan P (Research Co-ordinator)	A Novel Approach for Image Forgery Detection	28.10.2021
15.	1612479137*	Part-Time	Aanjan Kumar S	Dr.Karthikeyan P (Research Co-ordinator)	GAMEOVER Zeus Botnet Gain Control CPA Algorithm	07.04.2022
16.	1525499724	Part-Time	Neethu P S	Dr.Palanivel Rajan S	Hand Gesture Detection Using Connected Component and Manhattan Distance Transform on SVM and CNN Classifiers	22.12.2021
17.	17234697573	Full-Time	Rajaragavi R	Dr.Palanivel Rajan S	An Optimized Deep Learning Model for Brain Tumor Segmentation and Classification	27.07.2022
18.	18144691168	Part-Time	Paranthaman M	Dr.Palanivel Rajan S	Certain Investigations on Implantable Antenna for 2.45GHZ ISM Band Applications	27.01.2023
19.	21144691119	Part-Time	Karuppuchamy V	Dr.Palanivel Rajan S	Certain Investigations on Earlier Heart Failure Prediction Using Machine Learning	01.07.2024
20.	1514419594	Full-Time	Suriya Prakash J	Dr.Palanivel Rajan S*	Performance Enhancement of Intrusion Detection System Using Dimensionality Reduction Techniques and Evaluation With Different Machine Learning Classifiers on Optimal Dataset	27.07.2022

Total Number of Full time Ph.D Scholars Awarded : 04

Total Number of Part time Ph.D Scholars Awarded : 16

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S.No.	University Registration Number	Category (Full Time / Part Time)	Name of the Scholar	Name of the Supervisor / *Joint Supervisor	Thesis Title	Date of Viva voce Examination
1.	20103012002	Part Time	Booma Devi P	Dr.A.Shunmugalatha	Reactive Power Cost Management in Wind Farms Using Meta-Heuristic Search Algorithms	14.11.2016
2.	2011130014	Part Time	Kanimozhi K	Dr.A.Shunmugalatha	Digital Controller for Performance Improvement of DC-DC Converters in Photovoltaic Systems	18.01.2017
3.	2012130011	Part Time	Radhika A	Dr.A.Shunmugalatha	Enhancement of Power Quality Using Single Phase H6 Transformerless Inverter with Renewable Energy Sources	02.06.2017
4.	20103012026	Part Time	Vijayarajan P	Dr.A.Shunmugalatha	An Innovative Carrier PWM for Two-Level and Multilevel VSIS, and A Component Count Reduced MLI Topology	19.02.2018
5.	20103012010	Part Time	Mareesan K	Dr.A.Shunmugalatha	Application of Distributed Generation in Economic Benefit Improvisation And Voltage Profile Enrichment in Distribution System.	16.04.2019
6.	2012130012	Part Time	Malathy P	Dr.A.Shunmugalatha	Maximum Loadability Assessment of Deregulated Power System Based on Evolutionary Algorithms	25.04.2019
7.	2011130049	Part Time	Emily Manoranjitham G	Dr.A.Shunmugalatha	Optimal Placement of Unified Power Flow Controller for Solving Multi Objective Power Flow Problem Using Firefly Algorithm	26.09.2019
8.	2011230008	Part Time	Venkatesh R J	Dr.A.Shunmugalatha	Performance Analysis of Converter Fed BLDC Motor Drive Using FPGA	19.07.2021
9.	18243797112	Full Time	Preethi V A	Dr.A.Shunmugalatha	Multiobjective Real and Reactive Power Optimization Considering Uncertainties	10.08.2023
10.	16143797160	Part Time	Padmanaban K	Dr.A.Shunmugalatha	Performance Analysis of Metaheuristic Algorithms for Solar MPPT Controller	24.05.2024
11.	1624379142	Part Time	Kiruthiga B	Dr.R.Narmatha Banu	Development of Intelligent Power Quality Monitoring System and Active Filter Design for Harmonic Suppression	09.04.2021
12.	17133791153	Part Time	Om Prakash A	Dr.R.Narmatha Banu	Analysis of Islanded Microgrid Using Principal Component Analysis	28.12.2023
13.	17244791329	Full Time	Divyasharon R	Dr.R.Narmatha Banu	Design and Development of Power Converters and Improved MPPT Algorithms for Solar PV System	16.02.2024
Total Number of Full time Ph.D Scholars Awarded : 02				Total Number of Part time Ph.D Scholars Awarded : 11		

Centre for Research and Development (CFRD) – Ph.D’s Produced / Awarded

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE						
S.No.	University Registration Number	Category (Full Time / Part Time)	Name of the Scholar	Name of the Supervisor / *Joint Supervisor	Thesis Title	Date of Viva voce Examination
1.	17144797677	Part-Time	Karthik Kannan A S	Dr.S.Sasikala	Efficacious Metaheuristic Approaches for Intelligent Decision Making in Software Package and Supplier Selection Problems	12.01.2022
2.	1414479168	Part-Time	Vinoth Kumar E S	Dr.S.Sasikala	Machine Learning Models for Predicting Students Performance	11.04.2022
3.	17224791464	Full-Time	Saranya K R	Dr.S.Sasikala	Improving Clinical Decision on Chronic Disease Prediction and Efficacy of Drugs in Diabetes through Machine Learning and Statistical Approaches	14.07.2022
4.	1514479102	Part-Time	Senthil Kumar J	Dr.S.Sasikala	Effectual Deep Learning Approaches for Segmentation and Classification of Medical Images	05.06.2023
5.	17244797396	Part-Time	Subhalakshmi RT	Dr.S.Sasikala	Efficacious Novel Deep Learning Approaches for Medical Image Segmentation and Classification	10.08.2023
Total Number of Full time Ph.D Scholars Awarded : 01				Total Number of Part time Ph.D Scholars Awarded : 04		

DEPARTMENT OF ELECTRONICS ENGINEERING (VLSI Design and Technology)						
S.No.	University Registration Number	Category (Full Time / Part Time)	Name of the Scholar	Name of the Supervisor / *Joint Supervisor	Thesis Title	Date of Viva voce Examination
1.	18234891251	Part-Time	Karthika K	K.Kavitha	Certain Investigations on Design and Development of Reconfigurable Antennas for SUB-6 GHz Applications	13.02.2024
2.	16234597388	Part-Time	A. Shivaranjani	S. Senthilrani	CVGS-CASHNET: An Intelligent Computer Vision Based Cashew Nut Grading System	07.08.2023
Total Number of Full time Ph.D Scholars Awarded : 0				Total Number of Part time Ph.D Scholars Awarded : 02		

Centre for Research and Development (CFRD) – Ph.D’s Produced / Awarded

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S.No.	University Registration Number	Category (Full Time / Part Time)	Name of the Scholar	Name of the Supervisor / *Joint Supervisor	Thesis Title	Date of Viva voce Examination
1.	1524479301	Part-Time	Anusooya V	Dr.S.Ponmalar	Design and Simulation of All-Optical Logic Gates for High-Speed Optical Communication Networks	29.09.2023
2.	1525479160*	Part-Time	Chitra Sudhakaran	*Dr.S.Ponmalar	A Novel Approach to Maximize Coverage and Re-Establish Connectivity in Cognitive Radio Adhoc Based Emergency Communication	03.09.2020
3.	2012140004*	Part-Time	Shanthy K R	*Dr.S.Ponmalar	Energy-Efficient Power Allocation in Sensing Based Spectrum Sharing Cognitive Radio Networks With Imperfect CSI	05.08.2020
4.	2012140005*	Part-Time	Duraichi N	*Dr.S.Ponmalar	Implementation of Channel Selection Algorithm in MIMO Based Wireless Multihop Sensor Networks for Optimal Data Transfer Rate and Power Allocation	20.12.2019
Total Number of Full time Ph.D Scholars Awarded : 0				Total Number of Part time Ph.D Scholars Awarded : 04		

DEPARTMENT OF INFORMATION TECHNOLOGY

S.No.	University Registration Number	Category (Full Time / Part Time)	Name of the Scholar	Name of the Supervisor / *Joint Supervisor	Thesis Title	Date of Viva voce Examination
1.	16244797287	Part Time	Shanmuga Priya E	Dr.R.Kavitha	Security and Privacy Preservation of Medical Big Data using Soft Computing Techniques	09.09.2020
Total Number of Full time Ph.D Scholars Awarded : 0				Total Number of Part time Ph.D Scholars Awarded : 01		

Centre for Research and Development (CFRD) – Ph.D’s Produced / Awarded

DEPARTMENT OF MECHANICAL ENGINEERING

S.No.	University Registration Number	Category (Full Time / Part Time)	Name of the Scholar	Name of the Supervisor / *Joint Supervisor	Thesis Title	Date of Viva voce Examination
1.	2012120031	Part-Time	Maran.M	Dr. G. Manikandan	Assessment of Tangible and Intangible Benefits of TPM Implementation	07.08.2017
2.	1514279798	Part-Time	Varun Kumar B	Dr. G. Manikandan	Investigation of Thermal Hydraulic performance of various Ribs mounted in a Duct	28.03.2022
3.	NITD/PHD/ME /2001/00247	Part-Time	Soundravalli	*Dr. G. Manikandan	Nondestructive Testing and Evaluation of Defects in Fiber-Metal Laminates using infrared Thermography	01.06.2013
4.	2012120014	Part-Time	Anand P	Dr.V.Anbumalar	Investigation on the performance of Cellulose filled Epoxy Composite reinforced with treated Hemp Fiber	31.08.2015
5.	2011220016	Part-Time	Raja S	Dr.V.Anbumalar	An effective Methodology for cell formation and intra cell machine layout design in Cellular Manufacturing system	25.07.2016
6.	2011120031	Part-Time	Shunmugasundaram M	Dr.V.Anbumalar	Effective Machine-Part grouping algorithms for Cellular manufacturing System by considering operational sequence data	22.03.2017
7.	2011120030	Part-Time	Saravana Mohan M	Dr.V.Anbumalar	Modelling and Simulation of Redundant SCARA Robot with Multiple Tool End Effector	28.06.2017
8.	2012120015	Part-Time	Balasubramani P	Dr.V.Anbumalar	Productivity Improvement in Biomass Briquette Manufacturing system by optimizing parameters	16.08.2017
9.	2011120061	Part-Time	Mayandy R	Dr.V.Anbumalar	Assignment of Cells in Cellular Manufacturing System under Static and Dynamic Environment by considering Entering and Exit point using Clonal Selection Algorithm	11.12.2018
10.	2011150005	Part-Time	Rajesh R	Dr.V.Anbumalar	Synthesis and Characterization of Multi-ferroic Material	27.09.2019
11.	2012120017	Part-Time	Ramesh Babu K R	Dr.V.Anbumalar	An experimental investigation and optimization of Friction Stir welding Process parameter of dissimilar Aluminum Alloy	18.12.2020

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S.No.	University Registration Number	Category (Full Time / Part Time)	Name of the Scholar	Name of the Supervisor / *Joint Supervisor	Thesis Title	Date of Viva voce Examination
12.	2012120018	Part-Time	Madhan Kumar P	Dr.V.Anbumalar	Experimental investigation and analysis of the effect of tool pin profile on the mechanical properties of friction stir welded dissimilar aluminum alloy	23.07.2021
Total Number of Full time Ph.D Scholars Awarded : 0					Total Number of Part time Ph.D Scholars Awarded : 12	