

SRM VALLIAMMAI ENGINEERING COLLEGE
S.R.M. Nagar, Kattankulathur - 603 203

Date: 10.02.2023

Research Scholars Details

Sl.No.	Name of the Student	Department	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	Dr.C.Pabitha	CSE	Internal	27.06.2017	Deep Learning Techniques for solving problems in BigData	Dr.B.Vanathi, HOD/CSE, SRM Valliammai Engineering College	Awarded
2	Mr.K.Shanmugam	CSE	Internal	19.12.2017	Enhancing the tamil handwritten recognition and text to speech conversion process	Dr.B.Vanathi, HOD/CSE, SRM Valliammai Engineering College	Thesis Submitted
3	Ms.G.Sangeetha	CSE	Internal	29.8.2019	Finding semantic similarity classification through social media network	Dr.B.Vanathi, HOD/CSE, SRM Valliammai Engineering College	Admission Confirmed
4	Ms.A.Vidhya	CSE	Internal	20.12.2019	Lung nodule detection using Deep convolutional neural network	Dr.B.Vanathi, HOD/CSE, SRM Valliammai Engineering College	Admission Confirmed
5	Ms.M.Priyadarshini	CSE	Internal	16.08.2021	Enhanced Wireless Secured environment with conventional infrastructure sharing approach	Dr.B.Vanathi, HOD/CSE, SRM Valliammai Engineering College	Provisional Registration
6	Mr.N.Leo Bright Tennisson	CSE	Internal	26.11.2022	Deep Learning Technique for real time analysis of rock and structures	Dr.B.Vanathi, HOD/CSE, SRM Valliammai Engineering College	Provisional Registration
7	Mr.K.Rajkumar,Asst.Prof, Dept of CSE,ES Engineering college	CSE	External	24.08.2017	Improving the efficiency usage of datacenter storage and managing replicated data in cloud	Dr.V.Dhanakoti, Professor, Dept of CSE,SRM Valliammai Engineering College	Thesis Submitted

8	Ms.A.Ponmalar, Asst.Prof, Dept of IT, Sairam Institute of Technology	CSE	External	5.03.2017	Bigdata security and privacy	Dr.V.Dhanakoti, Professor, Dept of CSE,SRM Valliammai Engineering College	Thesis Submitted
9	Mr.T.Rajasekaran	CSE	Internal	15.03.2021	Security and scalability in Blockchain Networks	Dr.V.Dhanakoti, Professor, Dept of CSE,SRM Valliammai Engineering College	Provisional Registration
10	Dr.K.Revathi	CSE	External	27.06.2017	A data management model for internet of things(IOT)	Dr.A.Samydurai, Professor, Dept of CSE,SRM Valliammai Engineering College	Awarded
11	Dr.K.Elaiyaraja	IT	Internal	July - 2017	Medical Image Processing	Dr.M.Senthil Kumar, Professor., Dept. of CSE,SRM Valliammai Engineering College	Awarded
12	Ms.S.Sandhya	IT	Internal	July - 2019	Medical Image Processing	Dr.M.Senthil Kumar, Professor., Dept. of CSE,SRM Valliammai Engineering College	Admission Confirmed
13	Ms.S.Shenbaga vadivu	IT	Internal	14.02.2022.	Real Time AI Implementation on IoT for Smart Ubiquitous Environment	Dr.M.Senthil Kumar, Professor., Dept. of CSE,SRM Valliammai Engineering College	Provisional Registration
14	Mr.R.Sankaranarayanan	IT	Internal	18. 02.2022.	Multi Model medical Image Processing using Deep Learning	Dr.M.Senthil Kumar, Professor, Dept. of CSE,SRM Valliammai Engineering College	Provisional Registration

15	Mr.S.Subburaj, Department of ECE, Eswari Engineering College	ECE	External	2020	Sign language to text conversion using Image processing and Natural language processing	Dr.B.Muthusenthil, Professor,Dept. of CSE,SRM Valliammai Engineering College,	Admission Confirmed
16	Ms.R.Manju, Department of CSE, GKM College of Engineering	CSE	External	26.12.2022	Deep Convolution Spiking Neural Network and block chain based intrusion detection framework for Enhancing privacy and security in cloud Computing	Dr.B.Muthusenthil, Professor,Dept. of CSE,SRM Valliammai Engineering College,	Provisional Registration

*** Status**

Provisional Registration
Admission Confirmed
Synopsis Submitted
Thesis Submitted
Awarded



SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

S.R.M. Nagar, Kattankulathur - 603 203



Date: 10.02.2023

Department of ECE - Ph.D Students Details

S.No.	Name of the Student	Department	Internal / External	Full time/Part time	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	S.K. Susee	ECE	External	Part time	02.02.2012	Integrated hybrid algorithm for Enhancement of Sensor performance in Wireless sensor networks	Dr.B.Chidhambararajan	Awarded
2	K.S. Balamurugan	ECE	External	Part time	02.02.2012	Quality of service in heterogeneous wireless networks	Dr.B.Chidhambararajan	Awarded
3	V.R. Balaji	ECE	External	Part time	14.12.2013	Design and Analysis of DWDM Demultiplexer using two dimensional Photonic crystal	Dr.M.Murugan	Awarded
4	N. Subhashini	ECE	Internal	Part time	02.02.2012	Maximization of capacity in reconfigurable Wireless sensor networks	Dr.M.Murugan	Awarded
5	R. Porselvi	ECE	External	Part time	14.12.2013	Hybrid techniques for channel estimation in wireless communication	Dr.M.Murugan	Awarded
6	M. Mayuranathan	ECE	Internal	Part time	08.02.2016	Study and analysis of various attacks in cloud environment	Dr.M.Murugan	Awarded
7	S.R. Preethi	ECE	Internal	Part time	04.07.2016	Smart video surveillance over IoT networks	Dr.M.Murugan	Awarded
8	N. Poornima	ECE	Internal	Part time	11.02.2016	Security in social networks	Dr.M.Murugan	Awarded
9	S. Benila	CSE	Internal	Part time	27.12.2016	Bid data analysis and filtering method for IoT based systems	Dr.N.Ushabhanu	Awarded

S.No.	Name of the Student	Department	Internal / External	Full time/Part time	Date of Enrollment	Research Topic	Name of Supervisor	Status *
10	T. Annalakshmi	ECE	External	Part time	09.02.2016	Antennas for Wireless Body Area Networks	Dr.S.Ramesh	Awarded
11	S. Syedakbar	ECE	External	Part time	08.02.2016	Antennas for Millimeter Wave Communication	Dr.S.Ramesh	Synopsis completed
12	V. Satheesh Kumar	ECE	External	Part time	06.02.2016	Design and development of Polymer based Embedded band pass filter for wireless applications	Dr.S.Ramesh	Confirmation completed
13	K. Kayalvizhi	ECE	External	Full time	26.12.2016	Antennas for Bio Medical Applications	Dr.S.Ramesh	Confirmation completed
14	Y. Viwin Singh	ECE	External	Part time	04.07.2016	Multiband Rectenna Energy Harvesting System for Remote Area Applications	Dr.S.Ramesh	Confirmation completed
15	C. Saravanakumar	ECE	Internal	Part time	09.06.2016	Analysis on FFT algorithm to reduce the design complexity of computational blocks	Dr.N.Ushabhanu	Thesis submitted
16	A. Pandian	ECE	Internal	Part time	22.06.2017	Analysis of multiple Sclerosis in Brain MRI images using machine learning Techniques	Dr. G.Udhayakumar	Confirmation Completed
17	S. Lokesh	ECE	External	Part time	02.07.2016	Analysis and classification atrial fibrillation from ECG signal using neural network	Dr. G.Udhayakumar	Confirmation completed
18	K. Durgadevi	ECE	Internal	Part time	02.07.2016	Digital Control Techniques for single phase power factor correction rectifiers	Dr. C. Amali	Confirmation Completed
19	I. Jayasukumari	ECE	External	Part time	04.07.2016	An intelligent direction of arrival estimation	Dr.C.Amali	Confirmation completed
20	C. Elayaraja	ECE	External	Part time	03.06.2017	Complexity Reduction Techniques for Downlink NOMA-MIMO system in 5G Networks	Dr.C.Amali	Confirmation completed

S.No.	Name of the Student	Department	Internal / External	Full time/Part time	Date of Enrollment	Research Topic	Name of Supervisor	Status *
21	M.I. Anju	ECE	External	Part time	27.06.2017	Design and implementation of reconfigurable waveform generator using scale free Cordic	Dr.J.Mohan	Thesis submitted
22	R. Geetha	ECE	External	Full time	19.12.2017	Vascular bone tumours: Classification Based On Clinicopathological, Radiographic and Genetic Features	Dr.J.Mohan	Thesis submitted
23	K. Arthi	ECE	Internal	Part time	31.12.2018	Energy efficiency in sensor nodes based on IoT	Dr.B.Chidhambararajan	Confirmation completed
24	N. Kanniyappan	ECE	External	Part time	17.07.2019	Frequency selective surfaces for 5G EMI reduction	Dr.C.Amali	Confirmation completed
25	N. Kumaran	ECE	External	Full time	18.07.2019	Hybrid beamforming Antennas for 5G wireless communication	Dr.S.Ramesh	Confirmation completed
26	R. Dhananjeyan	ECE	Internal	Part time	22.01.2021	Massive MIMO Beamforming antenna with active elements for 5G Wireless communications	Dr.S.Ramesh	Confirmation completed
27	C. Satheeswaran	MDE	Internal	Part time	08.02.2022	An integrated Health care system for monitoring Dementia Patients	Dr.N.Ushabhanu	Doing Course work
28	V. Prasanan	ECE	Internal	Part time	08.02.2022	Composite Reconfigurable Dielectric Resonator Filtering antenna for 5G wireless communications	Dr S Ramesh	Doing Course work
29	R. Anitha	CSE	Internal	Part time	09.02.2022	Implementation of Smart Premises using Blockchain Technology	Dr.M.Murugan	Doing Course work
30	S. Shanthi	CSE	Internal	Part time	09.02.2022	GAN based classification of multi class medical images	Dr.M.Murugan	Doing Course work
31	S. Marirajan	ECE	Internal	Part time	15.12.2022	Radio over Fiber for access networks for beyond 5G	Dr.C.Amali	Provisional Registration
32	S. Abirami	ECE	Internal	Part time	15.12.2022	Green IoT based Framework for Surveillance	Dr.M.Murugan	Provisional Registration
33	G. Vivekanandan	IT	Internal	Part time	30.12.22	Automated Deep learning based Pancreatic cancer cell Diagnosis and Model using Computed with Tomography image	Dr.B.Chidhambararajan	Provisional Registration

SRM VALLIAMMAI ENGINEERING COLLEGE
(An Autonomous Institution)
 S.R.M. Nagar, Kattankulathur - 603 203

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Ph.D Students Details

Date:10-02-2023

Sl.No.	Name of the Student	Department	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	Ms.K.Durga devi	EEE	Internal	02.07.2016	Digital control Techniques for single phase Power factor correction	Dr.R.Karthik (Joint supervisor)	Admission Confirmed and Course Work Completed
2	Ms.S.Vanila	EEE	Internal	25.02.2016	Dynamic reconfiguration for Video Processing	Dr.Premanand V.Chandramani (SSN College of Engg.)	Admission Confirmed and Course Work Completed
3	Ms.P.Yamuna	EEE	Internal	30.06.2016	Investigation on Performance of Controllers to Improve the Response Of Smart Grid System	Dr.R.Karthik	Awarded
4	Mr.S.Padhmanabha lyappan	EEE	Internal	30.06.2016	Investigation on Improvement in Performance of Micro Grid System using efficient techniques	Dr.R.Karthik	Thesis Submitted
5	Mr.V.Sudhagar	EEE	Internal	04.07.2019	Power Quality improvement Techniques in smart grid	Dr.K.Ayyar	Provisional Registration
6	Mr.S.Venkatesh	EEE	Internal	16.09.2021	Investigation on Grid Tied Inverter for Renewable Energy Systems	Dr.K.Ayyar	Course Work Completed
7	Mr.Ragul Kumar	EEE	Internal	21.12.2022	Design of a Novel Efficient and Economic Multilevel Inverter for Industrial Motor Drives	Dr.R.Karthik	Completed First DC Meeting
8	Ms.Annai Theresa. A	EEE	External	11.01.2023	Design of a Novel Efficient and Economic Multilevel Inverter for Industrial Motor Drives	Dr.S.Malathi	Completed First DC Meeting

SRM VALLIAMMAI ENGINEERING COLLEGE
S.R.M. Nagar, Kattankulathur - 603 203

Date: 10.02.2023

Ph.D Students Details

Sl.No.	Name of the Student	Department	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	R. Manimegalai	EIE	External	24-01-2011	Evolution Algorithm Based Social Welfare Maximization in Deregulated Power Market	Dr. S. Visalakshi	Awarded
2	G. Srinivasan	EIE	External	08-01-2011	Evolutionary Algorithm based Performance Enhancement in DG Integrated Optimal Distribution Network	Dr. S. Visalakshi	Awarded
3	P. Abirami	EIE	External	21-07-2012	Power System Deregulation	Dr. S. Visalakshi	Synopsis Submitted
4	N. Sowrirajan	EIE	Internal	22-01-2016	Design of Intelligent and Model based Controller for Non Linear Process Control application	Dr. K. Ayyar	Registration Confirmed
5	K. Lakshmi Khandan	EIE	External	31-01-2011	Development of new approach for Harmonic Analysis	Dr. Andy Srinivasan	Awarded
6	K. S. Jaibhavani	EIE	Internal	27-06-2017	Design of Intelligent Instrumentation and Control strategies for smart grids	Dr. S. Visalakshi	Registration Confirmed
7	R. Issanraj	EIE	Internal	24-06-2017	Design of Power converters for power quality improvement	Dr. S. Visalakshi	Registration Confirmed
8	P. Mahendra Peruman	EIE	External	04-01-2018	Analysis of Power Quality Issues in Power Electronics circuits using DSP based solution	Dr. K. Ayyar	Registration Confirmed
9	R. Prakash	EIE	External	Jan-17	Design and Development of BLDC machine for flywheel energy storage system	Dr. K. Ayyar	Registration Confirmed
10	P. Tamilmani	EIE	Internal	04-07-2019	Application of Controllers for Power System	Dr. S. Visalakshi	Registration Confirmed
11	Mr.V.Sudhagar	EIE	Internal	04.07.2019	Power Quality improvement Techniques in smart grid	Dr. K. Ayyar	Registration Confirmed
12	Mr.S.Venkatesh	EIE	Internal	Jul-21	Investigations on grid tied inverter for Renewable Energy Systems	Dr. K. Ayyar	Course work completed
13	Mr. C.Praveen Kumar	EIE	Internal	Jan-22	Investigations on Complex control systems and design of Controllers using an Optimal tuning method	Dr. K. Ayyar	Course work completed
14	Mr.K.R.Ganesh	EIE	Internal	Jan-23	DC-DC Converter performances improvement for bidirectional electric vehicle charger application	Dr. S. Visalakshi	Provisional Registration
15	Ms. K. Rathnapriya	EIE	Internal	Jan-23	Modelling and Control of Non linear process using advanced soft computing techniques	Dr. K. Ayyar	Provisional Registration
16	Mr. B. Parameshwaran	EIE	Internal	Feb-23	Design and control of a single inductor multi input multi output DC-DC converter	Dr. K. Ayyar	Provisional Registration

* Status

Provisional Registration
Admission Confirmed
Synopsis Submitted
Thesis Submitted
Awarded

SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

S.R.M. Nagar, Kattankulathur - 603 203

Date: 25-08-2022

Research Scholars Details

Sl.No.	Name of the Staff	Department	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	Mr.S.Pungaiya	Mechanical Engg.	Internal	February 2016	Experimental Investigation and CFD analysis of heat transfer in Automobile Radiator using Nano - Coated Tubes.	Dr. C. Kailasanathan	Awarded (2021)
2	Mr.R.Srinivasan	Mechanical Engg.	Internal	January 2017	Mechanical and Tribological behavior of metal matrix Composite Materials	Dr.S.Thirugnanam	Writing a thesis
3	Mr.J.P.Ramesh	Mechanical Engg.	Internal	July 2017	Aerodynamic Technologies to Improve Aircraft Performance	Dr.K.Sivakumar	Admission Confirmed
4	Mr.S.Sivasankar	Mechanical Engg.	Internal	January 2018	Heat transfer analysis of gas turbine blade cooling system	Dr.K.Sivakumar	Admission Confirmed
5	Mr.K.Venkatesan	Mechanical Engg.	Internal	June 2014	Investigation on mechanical and thermal properties of SISAL- ABACA Natural fiber reinforced composite	Dr.G.B. Bhaskar	Waiting for Viva-Voce
6	Mr.S.Sivalingam	Mechanical Engg.	Internal	July 2016	Formability studies on metal matrix composite	Dr G Kumerasen	Admission Confirmed
7	Mr.M.Vadivel	Mechanical Engg.	Internal	January 2017	Development and Charaterization of Functionally Graded Materials	Dr.T.Rameshkumar	Admission Confirmed
8	Mr.T.Muthukishnan	Mechanical Engg.	Internal	January 2019	Experimental investigation on magnetically impelled arc butt welding of ferritic stainless steel tubes	Dr. C.Balamurugan	Writing a thesis
9	Mr.K.P.Manikandan	Mechanical Engg.	Internal	January 2020	Formability Effects of Process Parameters on Forming Forces In Single Point Incremental Forming Process	Dr.S.Thirugnanam	Admission Confirmed
10	Mr.G.Ananth	Mechanical Engg.	Internal	January 2023	Turning characteristics of Aluminium based nano metal Matrix composites	Dr.S.Thirugnanam	Admission Confirmed
11	Mrs.N.Nithya	Mechanical Engg.	Internal	January 2023	Experimental investigation and mitigation of chatter in milling of Aluminium based metal matrix composites using Magnetorheological fluid.	Dr.S.Thirugnanam	Admission Confirmed
12	Mr.P.Ramu	Mechanical Engg.	Internal	January 2023	Machinability Studies on Hybrid Metal Matrix Nanocomposites Materials	Dr.S.Thirugnanam	Admission Confirmed
13	Mr.G.Rajesh	Mechanical Engg.	Internal	January 2023	Experimental investigation on micro structure mechanical behavior of cerium oxide/aluminum oxide Reinforced al-zn-mg alloy hybrid composites using squeeze casting methods and analyzing its process Parameter using topsis method.	Dr.S.Thirugnanam	Admission Confirmed

SRM VALLIAMMAI ENGINEERING COLLEGE
S.R.M. Nagar, Kattankulathur - 603 203
Ph.D Students Details - Department of Physics

Date: 10.02.2023

Sl.No.	Name of the Student	Department	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	Dr.. A. Arputhalatha	Physics	External	Jul-13	Synthesis and characterization of organic non linear optical crystals for optoelectronic and photonic applications	Dr.M.Anbuezhayan, Associate Professor,	Awarded
2	Dr.. N. Srinivasan @ Arunsankar	Physics	External	Jul-13	Synthesis, Characterization of Metal oxide Semiconductor Nanocomposites and their Photocatalytic activities	Dr.M.Anbuezhayan, Associate Professor,	Awarded
3	Dr. S.Gandhimathi	Physics	Internal	Jan-14	Synthesis and physico chemical studies on proton exchange polymer electrolyte membranes for Fuel cell Applications	Dr.H.Krishnan, Professor & Head	Awarded
4	Mrs. B.Anusha	Physics	External	Jul-15	Synthesis and Structural Charactrization of Metal Oxide Nanomaterials for Photocatalytic application	Dr.M.Anbuezhayan, Associate Professor,	Thesis Submitted
5	Mrs. C. Deepa	Physics	External	Jul-15	Synthesis, growth, structural, spectroscopic, thermal, optical and mechanical studies of Non Linear Optical Material	Dr.M.Anbuezhayan, Associate Professor,	Awarded
6	Mrs. D. Praveena	Physics	Internal	Jul-15	Laser shock peening on automotive components	Dr.H.Krishnan, Professor & Head	Provisional Registration Confirmed
7	Mrs.K.Priyadharshini	Physics	External	Jan-16	Synthesis, characterization and In-Vitro Studies of Metal Oxide Based Nanocomposites.	Dr.M.Anbuezhayan, Associate Professor,	Thesis Submitted
8	Mrs. R. Nithya Balaji	Physics	Internal	Jul-16	Molecular structure, spectroscopic and insilico studies of biologically active heterocyclic compounds.	Dr.H.Krishnan, Professor & Head	Awarded
9	Mrs.R.Sasireka	Physics	Internal	Jan-2020	Designing of Electro spin Instrumentation and fabrication of P-N Junction for electronic and opto electronic applications	Dr.M.Anbuezhayan, Associate Professor,	Provisional Registration Confirmed
10	Mrs.S.Sowmiya	Physics	Internal	Jan-2022	Investigations on Properties of Magnetic Nanocomposites	Dr.S.Padmaja, Assistant Professor,	Admission Confirmed
11	Mrs.S.Madathy Babu	Physics	Full Time	Jan-2023	Investigations and studies on semiconducting nanocomposites for optoelectronic applications	Dr.S.Padmaja, Assistant Professor,	Admission Confirmed

SRM VALLIAMMAI ENGINEERING COLLEGE
S.R.M. Nagar, Kattankulathur - 603 203

Date:10.02.2023

Chemistry Research Centre - Ph.D Students Details

Sl.No.	Name of the Student	Department	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	Mr.V.Arivalagan	Chemistry	Internal	05-07-2010	Design and Development of Imine Linked Nanosilica and Nanotitania Reinforced Polybenzoxazine Nanocomposites	Dr. S.G.Gunasekaran	Thesis Submitted
2	Mr.T.Athimoolam	Chemistry	Internal	30-06-2016	Catalytic Asymmetric Synthesis of Biologically Active Natural Products vis Thodium (II)-bound Carbonyl Ylide Formation-Cycloaddition Process in One-Pot/Continuous-Flow Reaction Technique	Dr.J.Krishnamurthi	Admission Confirmed
3	Ms. M. Meera	Chemistry	Internal	11-07-2019	Design and Development of Imine Skeletal Polybenzoxazine Nanocomposites for Superhydrophobic and Anti-corrosion Coatings	Dr. S.G.Gunasekaran	Admission Confirmed
4	Ms.T. Amirthavarshini	Chemistry	External	05-07-2019	Carbon Dioxide capture using Silica/CNT Reinforced Imine based Polybenzoxazine nanocomposites	Dr. S.G.Gunasekaran	Provisional Registration
5	Ms.S. Charumathy	Chemistry	Internal	27-06-2022	Synthesis and Characterization of Antifouling Poly (ether-ether sulfone) Hybrid Membranes	Dr. P. Maheswari	Provisional Registration
6	K. Mani Rahulan	Chemistry	Internal	27-01-2007	Investigation on the structural and nonlinear optical properties of metal oxide nanostructures	Dr.Charles christopher Kanakam	Awarded

*** Status**

Provisional Registration
 Admission Confirmed
 Synopsis Submitted
 Thesis Submitted
 Awarded