

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

Date: 19-04-2021

Ph.D Students Details -Guided by VEC-CSE STAFFS

Sl.No.	Name of the Student	Department	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	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	Provisional Registration
2	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	Provisional Registration
3	Ms.C.Pabitha	CSE	Internal	27.06.2017	Deep Learning Techniques for solving problems in BigData	Dr.B.Vanathi, HOD/CSE, SRM Valliammai Engineering College	Admission Confirmed
4	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	Admission Confirmed
5	Mr.K.Rajkumar,Asst.Pr of,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, Associate Prof, Dept of CSE,SRM Valliammai Engineering College	Admission Confirmed
6	Ms.A.Ponmalar, Asst.Prof, Dept of IT, Sairam Institute of Technology	CSE	External	5.03.2017	Bigdata security and privacy	Dr.V.Dhanakoti, Associate Prof, Dept of CSE,SRM Valliammai Engineering College	Admission Confirmed
7	Ms.K.Revathi	CSE	External	27.06.2017	A data management model for internet of things(IOT)	Dr.A.Samydurai, Associate Prof, Dept of CSE,SRM Valliammai Engineering College	Thesis Submitted
8	Mr.K.EIAIYARAJA	IT	Internal	July - 2017	MEDICAL IMAGE PROCESSING	Dr.M.Senthil Kumar,Asso.Prof.,Dept . of CSE	Synopsis Submitted
9	Ms. S. SANDHYA	IT	Internal	July - 2019	MEDICAL IMAGE PROCESSING	Dr.M.Senthil Kumar,Asso.Prof.,Dept . of CSE	Provisional Registration

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Date: 16-04-2021

Department of ECE - 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.R.Balaji	ECE	External	14.12.2013	Design and Analysis of DWDM Demultiplexer using two dimensional Photonic crystal	Dr.M.Murugan	Awarded
2	Ms.S.K.Susee	ECE	External	02.02.2012	Integrated hybrid algorithm for Enhancement of Sensor performance in Wireless sensor networks	Dr.B.Chidhambararajan	Awarded
3	Ms.N.Subhashini	ECE	Internal	02.02.2012	Maximization of capacity in reconfigurable Wireless sensor networks	Dr.M.Murugan	Awarded
4	Ms.S.R.Preethi	ECE	Internal	04.07.2016	Smart video surveillance over IoT networks	Dr.M.Murugan	Awarded
5	Ms.T.S.Sheriba	ECE	Internal	26.12.2013	Combined Reconfiguration Of Microstrip Antenna	Dr.M.Murugan	Withdrawn
6	Ms.R.Porselvi	ECE	External	14.12.2013	Hybrid techniques for channel estimation in wireless communication	Dr.M.Murugan	Thesis Submitted
7	Mr.M.Mayuranathan	ECE	Internal	08.02.2016	Study and analysis of various attacks in cloud environment	Dr.M.Murugan & Dr.V.Dhanakoti	Thesis Submitted
8	Mr.S.Syedakbar	ECE	External	08.02.2016	Antennas for Millimeter Wave Communication	Dr.S.Ramesh	Confirmation completed
9	Ms.T.Annalakshmi	ECE	External	09.02.2016	Antennas for Wireless Body Area Networks	Dr.S.Ramesh	Confirmation completed
10	Mr.V.Satheesh Kumar	ECE	External	06.02.2016	Design and development of Polymer based Embedded band pass filter for wireless applications	Dr.S.Ramesh	Confirmation completed
11	Mr.K.Kayalvizhi	ECE	External	26.12.2016	Antennas for Bio Medical Applications	Dr.S.Ramesh	Confirmation completed

12	Ms.S.Benila	ECE	Internal	27.12.2016	Bid data nalysis and filtering method for IoT based systems	Dr.N.Ushabhanu	Confirmation completed
13	Ms.N.Poornima	ECE	Internal	11.02.2016	Security in social networks	Dr.M.Murugan	Confirmation completed
14	Mr.C.Saravanakumar	ECE	Internal	09.06.2016	Analysis on FFT algorithm to reduce the design complexity of computational blocks	Dr.N.Ushabhanu	Confirmation completed
15	Ms.D.Dolphin Kiruba	ECE	External	06.02.2016	Mixed signal VLSI design of FIR filter	Dr.C.Amali	Confirmation completed
16	Ms.I.Jayasukumari	ECE	External	04.07.2016	An intelligent direction of arrival estimation	Dr.C.Amali	Confirmation completed
17	Ms.M.I.Anju	ECE	External	27.06.2017	Design and implementation of reconfigurable waveform generator using scale free Cordic	Dr.J.Mohan	Confirmation completed
18	Ms.R.Birundha	ECE	Internal	30.06.2017	Antennas for 5G Wireless Communication	Dr.S.Ramesh	Confirmation completed
19	Mr.C.Elayaraja	ECE	External	03.06.2017	Complexity Reduction Techniques for Downlink NOMA-MIMO system in 5G Networks	Dr.C.Amali	Confirmation completed
20	Ms.R.Geetha	ECE	External	19.12.2017	Vascular bone tumours: Classification Based On Clinicopathological, Radiographic and Genetic Features	Dr.J.Mohan	Confirmation completed
21	Ms.K.Arthi	ECE	Internal	31.12.2018	Energy efficiency in sensor nodes based on IoT	Dr.B.Chidhambararajan	Course work completed
22	Mr.N.Kanniyappan	ECE	External	17.07.2019	Frequency selective surfaces for 5G EMI reduction	Dr.C.Amali	Provisional registration
23	Mr.N.Kumaran	ECE	External	18.07.2019	Hybrid beamforming Antennas for 5G wireless communication	Dr.S.Ramesh	Provisional registration
24	Mr.R.Dhananjeyan	ECE	Internal	22.01.2021	Massive MIMO Beamforming antenna with active elements for 5G Wireless communications	Dr.S.Ramesh	Provisional registration

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Ph.D Students Details

Date: 19-04-2021

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	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.S.Lokesh	EEE	External	02.07.2016	Automatic segmentation of diabetic retinopathy and glaucoma using fundus and optical coherence tomography	Dr.G.Udhaya kumar	Admission Confirmed and Course Work Completed
6	Mr.A.Pandian	EEE	Internal	27.06.2017	Analysis of schizophrenia disease on structural MRI images using transform and multivariate features selection method	Dr.G.Udhaya kumar	Admission Confirmed and Course Work Completed
7	Mr.V.Sudhagar	EEE	Internal	04.07.2019	Power Quality improvement Techniques in smart grid	Dr.R.Karthik	Provisional Registration

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Date: 15-04-2021

Ph.D Students Details

Sl.No.	Name of the Student	Dept.	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	Ms. R. Manimegalai	EIE	External	24-01-2011	Evolution Algorithm Based Social Welfare Maximization in Deregulated Power Market	Dr. S. Visalakshi	Awarded
2	Mr. G. Srinivasan	EIE	External	08-01-2011	Evolutionary Algorithm based Performance Enhancement in DG Integrated Optimal Distribution Network	Dr. S. Visalakshi	Awarded
3	Ms.P. Abirami	EIE	External	21-07-2012	Power System Deregulation	Dr. S. Visalakshi	Synopsis Submitted
4	Mr. N. Sowrirajan	EIE	Internal	22-01-2016	Design of Intelligent and Model based Controller for Non Linear Process Control application	Dr. Andy Srinivasan	Admission Confirmed
5	Mr. K. Lakshmi Khandan	EIE	External	31-01-2011	Development of new approach for Harmonic Analysis	Dr. Andy Srinivasan	Awarded
6	Ms.K. S. Jaibhavani	EIE	Internal	27-06-2017	Design of Intelligent Instrumentation and Control strategies for smart grids	Dr. S. Visalakshi	Admission Confirmed
7	Mr. R. Issanraj	EIE	Internal	24-06-2017	Design of Power converters for power quality improvement	Dr. S. Visalakshi	Admission Confirmed
8	Mr. P. Mahendra Peruman	EIE	External	04-01-2018	Analysis of Power Quality Issues in Power Electronics circuits using DSP based solution	Dr. K. Ayyar	Admission Confirmed
9	Mr. R. Prakash	EIE	External	01-01-2017	Design and Development of BLDC machine for flywheel energy storage system	Dr. K. Ayyar	Admission Confirmed
10	Mr. P. Tamilmani	EIE	Internal	04-07-2019	Application of Controllers for Power System	Dr. S. Visalakshi	Provisional Registration

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Ph.D Students Details

Sl.No.	Name of the Staff	Department	Internal / External	Date of Enrollment	Research Topic	Name of Supervisor	Status *
1	Mr.R.SRINIVASAN	Mechanical Engg.	Internal	January-2017	Mechanical and Tribological behavior of metal matrix Composite Materials	Dr.S.Thirugnanam	Admission Confirmed
2	Mr.J.P.RAMESH	Mechanical Engg.	Internal	July -2017	Aerodynamic Technologies to Improve Aircraft Performance	Dr.K.Sivakumar	Admission Confirmed
3	Mr.S.SIVASANKAR	Mechanical Engg.	Internal	January-2018	Heat transfer analysis of gas turbine blade cooling system	Dr.K.Sivakumar	Admission Confirmed

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Ph.D Students Details - Department of Physics

Date: 15.04.2021

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.Anbuechziyan, Associate Professor, Department of Physics, SRM Valliammai Engieering College.	Awarded
2	Dr.. N. Srinivasan @ Arunsankar	Physics	External	Jul-13	Synthesis, Characterization of Metal oxide Semiconductor Nanocomposites and their Photocatalytic activities	Dr.M.Anbuechziyan, Associate Professor, Department of Physics, SRM Valliammai Engieering College.	Awarded
3	Dr. S.Gandhimathi	Physics	Internal	Jul-13	Synthesis and physico chemical studies on proton exchange polymer electrolyte membranes for Fuel cell Applications	Dr.H.Krishnan, Professor & Head Department of Physics, SRM Valliammai Engieering College.	Awarded
4	Mrs. B.Anusha	Physics	External	Jul-15	Synthesis and Structural Charactrization of Metal Oxide Nanomaterials for Photocatalytic application	Dr.M.Anbuechziyan, Associate Professor, Department of Physics, SRM Valliammai Engieering College.	Provisional Registration
5	Mrs. C. Deepa	Physics	External	Jul-15	Synthesis, growth, structural, spectroscopic, thermal, optical and mechanical studies of Non Linear Optical Material	Dr.M.Anbuechziyan, Associate Professor, Department of Physics, SRM Valliammai Engieering College.	Provisional Registration
6	Mrs. D. Praveena	Physics	Internal	Jul-15	Laser shock peening on automotive components	Dr.H.Krishnan, Professor & Head Department of Physics, SRM Valliammai Engieering College.	Provisional Registration
7	Mrs.K.Priyadharshini	Physics	External	Jan-16	Synthesis and characterization of semiconducting nanomaterials for technological applications	Dr.M.Anbuechziyan, Associate Professor, Department of Physics, SRM Valliammai Engieering College.	Provisional Registration
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 Department of Physics, SRM Valliammai Engieering College.	Thesis submitted
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.Anbuechziyan, Associate Professor, Department of Physics, SRM Valliammai Engieering College.	Admission Confirmed

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Date: 15-04-2021

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. K. Mani Rahulan	Chemistry	Internal	19.07.2007	Investigation on the structural and nonlinear optical properties of metal oxide nanostructures	Dr. Charles Christopher Kanakam	Awarded
2	Mr.V.Arivalagan	Chemistry	Internal	05-07-2010	Design and Development of Imine Linked Nanosilica and Nanotitania Reinforced Polybenzoxazine Nanocomposites	Dr. S.G.Gunasekaran	Admission Confirmed
3	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
4	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	Provisional Registration
5	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