

Thiagarajar College of Engineering, Madurai-625015
Department of Electrical and Electronics Engineering



Name of the Supervisor	Name of the Scholar	Research area	Title of the Research	Status
Dr.P.S.kannan	V.Ramanathan			Completed
Dr.S.Basakar	Sivanantha perumal	Optimization		Completed
Dr.S.Basakar	K.Lakshmi narasimman	Optimization		Completed
Dr.S.Basakar	S.Miruna joe amali	Optimization		Completed
Dr.S.Basakar	S.M.Alamelu	Optimization		Completed
Dr.S.Basakar	P.Karthikeyan	Optimization		Completed
Dr.S.Baskar	T.Arun	Optimization	Multi Disciplinary design optimization	ongoing
Dr S Baskar	S.Tamilselvi (Full Time)	Optimization	Distribution Transformer design using EA	ongoing
Dr S Baskar	K.Mohaideen Abdulkadhar (Full Time)	Optimization	EA based robust controller design for MIMO system	ongoing
Dr.S.Baskar	ML.Ramamoorthy	Optimization	Soft computing techniques to multisensory data fusion	ongoing
Dr.S.Baskar	T.Vivek	optimization	Controller design for IC engine	ongoing
Dr.S.Baskar	S.Sudha	optimization		ongoing
Dr.S.Baskar	R.Lakshmi	optimization		ongoing
Dr.S.Baskar	M.Varatharajan	optimization	Ballistic Target Estimation and Trajectory reconstruction	ongoing
Dr.S.Baskar	P.R.Varshini	optimization	Evolutionary Multi-objective Optimization Algorithm	ongoing
Dr.S.Baskar	P.Pon Ragothama Priya	optimization	Optimal DG allocation and sizing in Distribution system using Evolutionary	ongoing

			Multi Objective Optimization algorithm	
Dr N Kamaraj	Sujatha balaraman	optimization		completed
Dr N Kamaraj	S.Venkatesan	optimization		completed
Dr N Kamaraj	S.Nagalakshmi	optimization		completed
Dr N Kamaraj	R.Helen	optimization		completed
Dr.N.Kamaraj	S.Vijayarajan	Power electronics		completed
Dr N Kamaraj	R.Medeswaran ,TCE	optimization	Performance enhancement of Power system with FCATS devices using RGA and PSO	Thesis Submitted
Dr N Kamaraj	B.Ashokumar ,TCE	Power Quality	Power Quality	ongoing
Dr N Kamaraj	V.Mahesh ,TCE	optimization	Reactive Power Planning	ongoing
Dr N Kamaraj	C.Senthilkumar	Network security	Network security	ongoing
Dr.N.Kamaraj	G.Akila	ransient Stability	Transient Stability Assessment	ongoing
Dr N Kamaraj	S.Siva Sankari	Power systems	Distributed Generations System Performance Evaluation	ongoing
Dr N Kamaraj	T.Manikandan	Net work security	Net work security	ongoing
Dr N Kamaraj	R.Satheesh babu	Hormonics	Design of DVR for Power harmonics reduction	ongoing
Dr N Kamaraj	S.Baghya Shreee	Power systems	Design of Fuzzy controller for damping power system oscillations	ongoing
Dr N Kamaraj	C.Vimala Rani (Full Time)	Power Electronics	Design of CUCK converter	ongoing
Dr.M.Saravanan	D.Prince Winston	Power Electronics		completed
Dr.M.Saravanan	R.Nagarajan	Power Electronics		completed
Dr.M.Saravanan	Abdul kareem	Power electronics	Performance enhancement of	completed

			Micro grid	
Dr M.Saravanan	M.Jayamary Sujatha	BLDC motor	BLDC motor control	ongoing
Dr M.Saravanan	E.Poongothai	Power electronics	Power supply Controller design	ongoing
				ongoing
Dr M.Saravanan	C.Vijayan	Power electronics	Matrix converter	ongoing
Dr M.Saravanan	G.Manimaran	Power electronics	Space Vehicle control	ongoing
Dr M Saravanan	S.Venkatesan	Power electronics	Performance Evaluation of Low power Solar PV Energy Systems	ongoing
Dr M Saravanan	M.Kandasamy	BLDC motor	Achieving Minimum Torque ripple and maximum Efficiency in BLDC Motor using Equidistant Pulse Control	ongoing
Dr P Venkatesh	P.Sivachandran	Electrical machines		completed
Dr P Venkatesh	SJ.Jayachrista	optimization		completed
Dr P Venkatesh	S.Arockia Edwin Xavier	FACTS controller	Design and development of DSP based FACTS controllers	completed
Dr P Venkatesh	D.Nelson jayakumar	optimization		completed
Dr P Venkatesh	A.Srinivasan	optimization		completed
Dr P Venkatesh	Charles raja		Available transfer capability determination in restricted electricity market	completed
Dr P Venkatesh	R.Rajan Prakash	Nano dielectrics		completed
Dr P Venkatesh	S.Balamurugan	Power systems	Modelling and real time control of Hybrid Energy Systems	ongoing
Dr. P.Venkatesh	J.Jeslin Drusila Nesamalar (Full Time)	deregulation	Key issues of transmission system in deregulated power system	ongoing

Dr.K.Selvi	K.Manimala	Power systems		completed
Dr.K.Selvi	R.Kanimozhi	Power systems		completed
Dr.K.Selvi	J.Bastin solai nazaran	Power systems		completed
Dr.K.Selvi	N.Vijayalakshmi	Power systems	Power Systems Security Analysis	ongoing
Dr.K.Selvi	S.Bastin Solai Rajan	Power systems	Power tracing	ongoing
Dr K.Selvi	P.Nalini	Power quality	PQ analysis in Power system	ongoing
Dr K.Selvi	M.Bhavani	Power systems	Load frequency control	ongoing
Dr K Selvi	R.Ramya	Power systems	Power system control	ongoing
Dr K Selvi	Jingle Jabha D.F.	Power systems	Performance prediction of PD on Elec. Eqpt. Using an AI techniques	ongoing
Dr K.Selvi	V.R.Rajan	Power electronics	AI based Algorithm for AC drive with PWM inverter using FGPA	ongoing
Dr K.Selvi	C.K.Sundarabalan (Full Time)	Power quality	Mitigation of power quality issues using custom power devices	ongoing
Dr.P.Renuga	M.Senthil kumar	Power system		completed
Dr.P.Renuga	S.M.kannan	Power system		completed
Dr.P.Renuga	I.Gerald christobar raj	Power Electronics		completed
Dr.P.Renuga	SK.Nanda kumar	Power Electronics		completed
Dr.P.Renuga	G.Mohan Babu	Power system		completed
Dr.P.Renuga	R.Anitha	Power Electronics		completed
Dr.P.Renuga	T.Prathiba	Power Electronics		completed
Dr.P.Renuga	D.Kavitha	Power quality		completed
Dr.P.Renuga	N.Geetha			completed
Dr.P.Renuga	Ramesh	Power system	Power system	ongoing
Dr.P.Renuga	B.K.Shobana	Power electronics	Inverter design	ongoing
Dr P. Renuga	Sangeetha, J	FACTS	Stability analysis of Large scale Power system with FACTS devices	ongoing
Dr P.Renuga	K.Kalaiselvi (Full Time)	optimization	Soft Computing	ongoing

Dr.P.Renuga	M.Sivakumar	Data mining	Performance analysis of data mining algorithms over time series data.	ongoing
Dr.V.Sureshkumar	S.Nageswari			completed
Dr V.Sureshkumar	KR.Ramela			completed
Dr V.Sureshkumar	S.Nageswari	Power electronics		completed
Dr V.Sureshkumar	K.R.Rameela	Power electronics		completed
Dr V.Sureshkumar	G.Siva Sankar	Power Quality	Power Quality Improvement	ongoing
Dr V.Sureshkumar	Kanirajan, P	Power Quality	Power Quality	ongoing
Dr V.Sureshkumar	A.S.S.Murugan	Power Quality	Power Quality	ongoing
Dr V.Sureshkumar	T.Rajesh	Power Quality	Power Quality	ongoing
Dr V.Sureshkumar	A.M.Sasiraja	Distributed generation	Distributed generation	ongoing
Dr V.Sureshkumar	R.Karthika	Power Quality	Power Quality	ongoing
Dr V.Sureshkumar	M.Sarojini Devi	Power quality	Improvement of Power Quality using custom power device	ongoing
Dr V.Sureshkumar	T.Easwaran (Full Time)	Power electronics	Grid integration & power quality assessment of Distributed resources	ongoing
Dr V.Sureshkumar	N.Pandiselvi (Full Time)	Power electronics	Intelligent Controllers for Custom Power Device	ongoing
Dr S.Latha	P.Vijaydeepan	Power electronics	Analysis of different control strategies for AC drives using different modulation techniques	ongoing
Dr S.Latha	S.Mohamed Yousuf	Power electronics	Analysis and control of multilevel Z source inverter fed AC drives using various modulation scheme	ongoing
Dr S Latha	K.Dhanalakshmi	FACTS controller	Design of Robust controller for FACTS	ongoing

Dr S.Latha	G.Y.Rajaa Vikhram (Full Time)	FACTS controller	Study and Analysis of FACTS controllers in Multi-machine power systems coordinated control and interactions between	ongoing
Dr S.Latha	D.IIankumaran	FACTS controller	Optimal control of DGs on Distribution system using FACTS controllers	ongoing
Dr S Latha	M.Mahalakshmi (Full Time)	Power system	Modelling of Hybrid systems	ongoing
Dr S Latha	V.Kumarasamy		Power Electronics	ongoing
Dr S Latha	S.Nagammai	Control system	Design & Analysis of Modern Controllers for Nonlinear process	ongoing
Dr.C.K.Babulal	K.Muthulakshmi	Power system	Congestion Management	ongoing
Dr.C.K.Babulal	S.Vanitha	Power system	Power System optimization	ongoing
Dr CK Babulal	Jain B Marshel	Power system	Assessment of market power and optimizing the price for the social benefit	ongoing
Dr C K Babulal	S.Vasanthi	Power system	Power system security	ongoing
Dr CK Babulal	M.V..Suganya Devi (Full Time)	Power system	Loadability margin estimation in restructured environment	ongoing
Dr C K Babulal	M.Jegadeesan	Power quality	Distributed Generation and Power quality	ongoing
Dr C K Babulal	T.Chandrasekar	Power system	Reactive Power optimization in Power System	ongoing
Dr C K Babulal	G.S.Naganathan	Power system	Voltage stability assessment in	ongoing

			restructured environment	
Dr C K Babulal	D.Zamrooth	Power system	Assessment and mitigation of Power quality problems in Distributed systems	ongoing
Dr C.K.Babulal	I.Arul Doss Adaikalam	Power system	Voltage Stability Assessment in Smart Grid	ongoing
Dr M Geethanjali	S.Devi	Power system		Completed
Dr M Geethanjali	S.Sakthivel	Power system	Power system protection	ongoing
Dr M Geethanjali	T.Senthilrajan	optimization	Linearization of Sensor Using Soft computing technique	ongoing
Dr M Geethanjali	B.Ganeshprabu	Renewable energy	Certain Investigations on Grid Connecting Issues and Protection challenges in Solar Photovoltaic Arrays	ongoing
Dr M Geethanjali	S.Joseph Jegan	Wind energy	Certain investigation on energy storage based excitation system for DFIG in wind power generation	ongoing
Dr M Geethanjali	R.Sitharthan (Full Time)	Wind energy	Performance enhancement of Wind turbine with DFIG used in wind power generation	ongoing
Dr.M.Geethanjali	M.Meenakshi Devi (Full Time)	Smart grid	Certain investigations on WAM Protection and Control applications on Samrt Grid	ongoing
Dr M Geethanjali	S.Thanigainathan	FACTS controllers	Performance FACTS devices in enhancement of Distributed power systems	ongoing

			stability applying soft computing techniques	
Dr M.Geethanjali	K.Samuktha	optimization	Investigations on Intelligent Soft Computing Techniques for Quality enhancement of Power Grid	ongoing
Dr N.Shanmuga Vadivoo	M.Vijayalakshmi (Full Time)	Power systems	Identification Modelling and design of Intelligent controllers for DGS	ongoing
Dr N.Shanmuga Vadivoo	Mohammed Feros Khan, J.	Power electronics	Resonant controller design for stator current harmonics in DFIG	ongoing
Dr N.Shanmuga Vadivoo	Durga Devi, A.	Power systems	Reliability evaluation of distribution systems with DGs.	ongoing
Dr N.Shanmuga Vadivoo	R.Devi	Power systems	High Speed Over current protection of Distribution systems with DGs	ongoing
Dr P S Manoharan	M.Valan rajkumar	Power electronics		completed
Dr P S Manoharan	A.Ravi	Power electronics		completed
Dr P S Manoharan	S.Anbhumozhi	Power electronics		completed
Dr P S Manoharan	A.Ravi	Power electronics		completed
Dr P S Manoharan	S.Anbhumozhi	Power electronics		completed
Dr P.S.Manoharan	M.Muthuramalingam	Renewable energy	Photo voltaic Systems	completed
Dr P S Manoharan	APS Ramalakshmi (Full Time)	optimization	Tuning of PID controller for MIMO system using EA	ongoing
Dr P.S.Manoharan	G.Kannayeram	FACTS controllers	UPFC system	ongoing
Dr P.S.Manoharan	D.Thalpathi Udhayakumar	Power	Power	ongoing

		electronics	electronics	
Dr P.S.Manoharan	S.Palanichamy	Power Electronics	Power Electronics	ongoing
Dr P.S.Manoharan	R.Saravanan	Power Quality	Power Quality	ongoing
Dr P.S.Manoharan	U.Sureshkumar	Power electronics	Wind/PV hybrid system	ongoing
Dr P.S.Manoharan	M.Senthil Kumar	Power electronics	Performance Investigation on Quasi Z source inverter for PV systems	ongoing
Dr P.S.Manoharan	V.Seetharaman	Renewable energy	Photovoltaic battery	ongoing
Dr.P.S.Manoharan	N.Kumarasabapathy	Power quality	Power Quality Improvement	ongoing
Dr L.J.S.Shanthi	R.Maya	Power electronics	FBGA based soft switching passive lossless snubber inverter for BLDC motor	ongoing
Dr L.J.S.Shanthi	K.Muthuselvi	Power electronics	Applications of Intelligent control in LVO converters	ongoing
Dr L.J.S.Shanthi	S.B.Bharathi	Power electronics	Analysis and Control of chaos in SRM drives	ongoing
Dr L.J.S.Shanthi	N.V.Uma Maheswari	Power electronics	Intelligent controller for sensorless induction motor drives	ongoing
Dr.S.A.E.Xavier	S.Jayanthi	Power quality	Power Quality issues in Smart Grid	ongoing
Dr.S.A.E.Xavier	M.Pandi Maharajan	Power electronics	DSP base BLDC drive for various applications	ongoing
Dr.S.A.E.Xavier	S.Rajalakshmi	Power electronics	An adaptive Fuzzy Controller for Power controller using Solar cells	ongoing
Dr.S.A.E.Xavier	R.Hannah Lalitha	Micro grid	Multi Objective Optimization in Micro Grid Connected Power System protection	ongoing
Dr.S.A.E.Xavier	P.Thirumurugan	Power	VLSI based	ongoing

		electronics	Multilevel Inverter	
Dr.S.A.E.Xavier	G.Srinivasa Sudharsan	Wind energy	Advanced Controllers for Optimizing the Wind Energy	ongoing
Dr.S.A.E.Xavier	P.Kannan	Power quality	Power Quality improvement in Embedded Z source inverter	ongoing
Dr.S.A.E.Xavier	P.Ganesan	Power system optimization	Multi Objective Optimization Techniques for UC problems	ongoing
Dr.S.A.E.Xavier	I.Thangaraj	Renewable energy	The digital controller implementation of DC-DC converter in Renewable energy sources	ongoing
Dr.S.Charlesraja	S.Prakash	deregulation	Congestion Management Techniques in Deregulated power System	ongoing
Dr.S.Charlesraja	J.Jeha	Power systems		ongoing
Dr.S.Charlesraja	T.Karthick	Power systems	Smart Interconnection of Renewable Energy sources in the Distribution Grid	ongoing
Dr.S.Charlesraja	J.Senthil Kumar	Power systems	Role of DG and its impact in resolving electricity market technical issues	Ongoing
Dr.D.Nelson Jayakumar	R. M. Sekar	Renewable energy	Modeling, Control and Analysis of Grid Connected Photovoltaic Systems	Ongoing