



**SYED AMMAL ENGINEERING COLLEGE**  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
(NBA Accredited UG Courses: MECH CSE, EEE)  
Dr. E.M. Abdullah Campus, Ramanathapuram – 623 502, Tamilnadu  
Phone: 04567 222234, Mobile: 9487304000, 8489304000  
Web: [www.syedengg.ac.in](http://www.syedengg.ac.in) E.mail: saec@syedengg.ac.in  
Established in 1998 – An ISO 9001:2015 Certified Institution



### List of Ph.D's awarded in Syed Ammal Engineering College

SL No	Name of the Research Scholar	Name of the Department	Name of the Guide	Title of the Thesis	Year of Award of Ph.D.
1	A. RAJENDRAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON MRI BRAIN TUMOR SEGMENTATION USING COMBINED APPROACHES	2013
2	J. KARTHIKEYAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	INVESTIGATION ON CURRENT CONTROL OF VSI & CSI FED PERMANENT MAGNET BRUSHLESS MOTOR	2013
3	E. NANDAKUMAR	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON FACTS DEVICES INCORPORATION TO THE SOLUTION OF OPF PROBLEM WITH ADVANCED PSO ALGORITHM	2014
4	A. JAYACHANDRAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	TEXTURE FEATURES CLASSIFICATION FOR DIAGNOSIS OF BRAIN TUMOR IN MRI IMAGES USING PATTERN RECOGNITION METHODS	2014
5	G. NALLAVAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	NOVEL CONTROL STRATEGY FOR INDUCTION GENERATOR BASED PITCH CONTROLLED WIND TURBINE SYSTEM	2014
6	V. BHANUMATHI	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN SCHEMES FOR ENERGY EFFICIENT COMMUNICATION IN MOBILE AD-HOC NETWORKS	2014
7	J. BENSAM RAJ	Mechanical Engineering	Dr.P.Marimuthu. Former Principal & Professor, Mechanical Engineering	CONTEMPLATION OF THE EFFECTS OF SINTERING TEMPERATURE/ TIME ON PORE CLOSURE AND WORKABILITY IN SINTERED AL-SIC POWDER METALLURGY COMPOSITE DURING COLD UPSETTING	2014
8	K. POUNRAJ	Electrical and Electronics Engineering	Dr. S. Selvaperumal Professor & Head, Electrical and Electronics Engineering.	DYNAMIC PERFORMANCE INVESTIGATION OF D-Q MODEL BASED UPFC WITH VARIOUS CONTROLLING TECHNIQUES	2015
9	M. PERIYASAMY	Electronics and Communication Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON ELECTROMAGNETIC INTERFERENCE IMMUNITY OF MEDICAL AND RADIO FREQUENCY DEVICES	2015
10	G. MAHENDRAN	Electronics and Communication Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON DIABETIC RETINOPATHY IN NONDILATED RETINAL IMAGES USING MACHINE LEARNING ALGORITHMS	2015
11	B. SARGUNAM	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON FINITE FIELD MULTIPLIERS AND THEIR ERROR DETECTION METHODS	2015
12	A. PANDIAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATION ON DIRECT TORQUE CONTROL OF THREE PHASE INDUCTION MOTOR USING OPTIMIZED CONTROLLER	2015
13	B. SELVAM	Mechanical Engineering	Dr.P.Marimuthu. Former Principal & Professor, Mechanical Engineering	INVESTIGATION OF DRY SLIDING WEAR AND HOT DEFORMATION BEHAVIOR ON EXTRUDED ZINC OXIDE NANO-PARTICULATE REINFORCED MAGNESIUM COMPOSITE	2015



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14	V. GOMATHY	Electrical and Electronics Engineering	Dr. S. Selvaperumal Professor & Head, Electrical and Electronics Engineering.	CERTAIN INVESTIGATIONS ON FAULT DETECTION OF TRANSFORMER AND THREE PHASE INVERTER BY USING OPTIMIZATION TECHNIQUES	2016
15	M. DHAMODARAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON EFFICIENT CAPACITANCE COMPUTATION BY COMPUTATIONAL ELECTROMAGNETICS	2016
16	S. MUTHULAKSHMI	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON TORQUE RIPPLE MINIMIZATION OF SWITCHED RELUCTANCE MOTOR USING FRONT END CAPACITIVE CONVERTERS	2016
17	S. AISWARIYA	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON PERFORMANCE IMPROVEMENT OF FRONT END POWER FACTOR CORRECTION CONVERTER IN ELECTRIC VEHICLE APPLICATIONS	2016
18	S. SENTHIL VELAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	DEVELOPMENT AND EVALUATION OF QUALITY MODEL FOR ASPECT ORIENTED SOFTWARE SYSTEMS	2016
19	R. NAGARAJAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON FEASIBILITY AND PERFORMANCE ANALYSIS OF WIRELESS INDUSTRIAL AUTOMATION	2016
20	P. VIGNESHWARAN	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON INTERMEDIATE NODE SELECTION USING STABLE AND SECURED ROUTING IN MOBILE AD HOC NETWORK	2016
21	M. GANESAN	MECHANICAL ENGINEERING	Dr.P.Marimuthu. Former Principal &Professor, Mechanical Engineering	EVALUATION OF PROPERTIES FOR FRICTION WELDING OF SIMILAR MATERIALS	2016
22	ROBERT SAHAYA DOSS	MECHANICAL ENGINEERING	Dr.P.Marimuthu. Former Principal &Professor, Mechanical Engineering	MODELLING AND PARAMETRIC OPTIMIZATION OF EDM PROCESS FOR MACHINING SUPER ALLOYS	2016
23	A.G. VADIVELAN	ENGLISH	Dr. R. Kannan	A STUDY OF TRADITION AND MODERNITY IN THE SELECT WORKS OF ANITA DESAI	2017
24	S.P. RAJARAM	Electrical and Electronics Engineering	Dr. S. Selvaperumal Professor & Head, Electrical and Electronics Engineering.	APPLICATION OF EVOLUTIONARY ALGORITHMS FOR STEADY STATE VOLTAGE STABILITY PROBLEMS	2017
25	K. RADHALAKSHMI	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON PERFORMANCE ANALYSIS OF HIGH STEP UP CONVERTER FOR RENEWABLE ENERGY SYSTEMS	2017
26	P. RAVEENDRAN	MECHANICAL ENGINEERING	Dr.P.Marimuthu. Former Principal &Professor, Mechanical Engineering	DRY TURNING PARAMETERS OPTIMIZATION OF GLASS FIBERS REINFORCED PLASTIC WITH COATED TOOL	2017
27	R. BASKARAN	MECHANICAL ENGINEERING	Dr.P.Marimuthu. Former Principal &Professor, Mechanical Engineering	EXPERIMENTAL STUDY AND OPTIMAL SETTING OF MACHINING PARAMETERS FOR INCONEL MATERIALS	2017
28	T.T. M. KANNAN	MECHANICAL ENGINEERING	Dr.P.Marimuthu. Former Principal &Professor, Mechanical Engineering	DEVELOPMENT OF PORTABLE TABLE TOP MICROFACTORY FOR SUSTAINABLE MANUFACTURING SYSTEM	2017
29	B. RAMASUBRAMANIAN	Electronics and Communication Engineering	Dr. S. Selvaperumal Professor & Head, Electrical and	AN EFFICIENT APPROACH FOR THE DETECTION OF DIABETIC RETINOPATHY	2018



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			Electronics Engineering.	USING RETINAL IMAGE PROCESSING	
30	G. PRABHAKAR	Electrical and Electronics Engineering	Dr. S. Selvaperumal Professor & Head, Electrical and Electronics Engineering.	MODELLING, CONTROL AND CYBER THREAT MITIGATION FOR NONLINEAR PHYSICAL SYSTEMS IN REAL TIME OPERATING SYSTEM ENVIRONMENT	2018
31	N. BALAMURUGAN	Electrical and Electronics Engineering	Dr. S. Selvaperumal Professor & Head, Electrical and Electronics Engineering.	CERTAIN INVESTIGATIONS ON DYNAMIC PERFORMANCE ANALYSIS OF THREE PHASE INDUCTION MOTOR DRIVE USING ANTIWINDUP AND FUZZY GAIN SCHEDULING WITH VARIOUS CONTROLLERS	2018
32	A. PARTHASARATHY	Electrical and Electronics Engineering	Dr. R. Dhanasekaran Director – Research	CERTAIN INVESTIGATIONS ON ECONOMIC DISPATCH WITH OPTIMAL POWER FLOW USING OPTIMIZATION TECHNIQUES	2018
33	K. SENTHIL KUMAR	Mechanical Engineering	Dr. P. Marimuthu. Former Principal & Professor, Mechanical Engineering	EXPERIMENTAL STUDY FOR MACHINING PARAMETERS OPTIMIZATION FOR TURNING INCONEL X-750	2018
34	V. SIVABHARATHI	Mechanical Engineering	Dr. P. Marimuthu. Former Principal & Professor, Mechanical Engineering	EXPERIMENTAL STUDY ON ELECTROCHEMICAL AND ELECTRICAL DISCHARGE MACHINING CHARACTERISTICS OF ALUMINIUM-VANADIUM-CARBIDE COMPOSITES	2018
35	M. S. SIVAGAMA SUNDARI	Electrical and Electronics Engineering	Dr. S. Selvaperumal Professor & Head, Electrical and Electronics Engineering.	CASCADED H BRIDGE MULTILEVEL INVERTER CONTROL FOR GRID CONNECTED DC POWER SOURCE	2019
36	D. KANNAN	Mechanical Engineering	Dr. S. Karthikeyan Professor & Head, Mechanical Engineering..	EFFECTS OF BIOFUEL WITH OXIDE NANO ADDITIVES ON PERFORMANCE AND EMISSIONS OF CI ENGINE	2019
37	A. SHYAMALA	Electrical and Electronics Engineering	Dr. S. Selvaperumal Professor & Head, Electrical and Electronics Engineering.	CERTAIN INVESTIGATIONS ON MOVING VEHICLE DETECTION AND CLASSIFICATION USING SOFT COMPUTING TECHNIQUES	2020
38	D. SOMASUNDARAM	Mechanical Engineering	Dr. S. Karthikeyan Professor & Head, Mechanical Engineering..	CARBON CREDITS OF FISHING BOAT DIESEL ENGINES RUNNING ON HIGHER ETHANOL CONCENTRATION	2021