

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



Title	Objective(s)	Principal Investigator	Co-Investigators	Funding agency / organization and scheme	Details of Sanction			Status	Outcomes of the project
					File no.	Amount	Period		
Missile Auto Pilot Control using Fuzzy Logic	To simulate and validate controller for missile auto pilot using fuzzy logic in HILS	Dr.N.Kamara j	--	DRDO	-	2.50 Lakhs	2 years	Completed	<ul style="list-style-type: none"> ✓ M.E. Thesis ✓ Publications
Energy conservation in Electric Motors using AC and DC drives and control of drives using PLC/		Dr.M.Saravanan	Dr.S.Arockia edwin xavier	UGC		7.86 lakhs	3 years		<ul style="list-style-type: none"> ✓ Infrastructure created ✓ New courses introduced ✓ M.E. Thesis ✓ PhD thesis ✓ Consultancy ✓ Publications
Development and implementation of real-time intelligent controllers for power industry		Dr.P.Venkatesh		UGC		Rs. 16.2 lakhs			<ul style="list-style-type: none"> ✓ Infrastructure created ✓ New courses introduced ✓ M.E. Thesis ✓ PhD thesis ✓ Publications
Development of star delta star converter for three phase induction		Dr.P.Venkatesh		TNSCST		Rs. 7.28 lakhs			<ul style="list-style-type: none"> ✓ M.E. Thesis ✓ PhD thesis ✓ Publications

motor in lightly loaded conditions									
A new transmission pricing methodology for the Indian restructured electricity market	The proposed project develops a new methodology for transmission pricing, a novel method for accurate determination of Available Transfer Capability (ATC) and effective means of Congestion Management in the Indian Restructuring Electricity market.	Dr.P.Venkatesh	Dr.S.Charles Raja	UGC	38-244/2009 (SR), Dated 24-12-2009 & 12-01-2012	7,85,800.00	2010 - 2012	Completed	<ul style="list-style-type: none"> ✓ New courses introduced ✓ M.E. Thesis ✓ PhD thesis ✓ Publications
Development of digital type superconducting generator		Dr.K.Selvi		DST					<ul style="list-style-type: none"> ✓ Infrastructure created ✓ New courses introduced ✓ M.E. Thesis ✓ PhD thesis

model/									<ul style="list-style-type: none"> ✓ Consultancy ✓ Publications
Large scale integration and power quality assessment of wind generation/		Dr.V.Suresh kumar		AICTE					<ul style="list-style-type: none"> ✓ Infrastructure created ✓ New courses introduced ✓ M.E. Thesis ✓ PhD thesis ✓ Consultancy ✓ Publications
Comprehensive Instrumentation System for Diagnosis and Root cause analysis of reduced operational efficiency of in-field motors/		Dr.v.prakash		AICTE					
Modernisation of Measurements and Instrumentation Laboratory/		Dr.v.prakash		AICTE	8023/R ID/RPS - 98/2011-12	8 Lakhs	2011		
Energy conservation in Electric Motors using AC		Dr.S.Arockia Edwin Xavier		UGC		7.86 lakhs	2010		

and DC drives and control of drives using PLC/									
Real Time PID control of Twin Rotor MIMO System using Evolutionary Algorithms		Dr.P.S.Mano haran		SERB	SR/FTP /ETA-80/2010 dt. 15-02-2012	26.54 lakhs	2012		
Grid Connected Photovoltaic System Using Voltage Source Inverters		Dr.P.S.Mano haran		UGC	69/2014(F.no. 10/11/12 dt. 26-03-2014	4.55 lakhs	2014		
Investigation on Photometric Characteristics of LED and OLEDs using Integrating Sphere		Dr.P.S.Mano haran		AICTE	20/AICTE/RFI D/RPS/36/2012-13	23.33 lakhs	2013		