

Bio Data

PERSONAL DETAILS

Name : R.Radhamani

Designation : Assistant Professor

Institution : K.S.Rangasamy College of Technology, Tiruchengode

Father's Name : A.Rajakkannu

Date of Birth & Age : 15.06.1982, 37 Years

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ACADEMIC PROFILE

Degree	Institution/University	Specialization	% of Marks / Class obtained	Year of completion
Ph.D.	Anna University Chennai	Harmonic minimization using cascaded H bridge multilevel inverter	-	Pursuing
M.E.	K.S.Rangasamy College of Technology, Tiruchengode	PED	CGPA = 9.64/10	2010
B.E.	Government college of Engineering, Salem.	EEE	81.4	2004
HSC	K. G. Government Higher Secondary School, Pallipalayam.	-	90.16	1999
SSLC	K. G. Government Higher Secondary School, Pallipalayam.	-	85.6	1997

PROFESIONAL EXPERIENCE

Teaching: UG - 13 years
PG – 09 years

Research: 04 years

S.No	Institution	Post held	Period	
			From	To
1	K.S.Rangasamy College of Technology	Asst. Professor	01.06.2010	Till date
2	K.S.Rangasamy College of Technology	Lecturer	30.05.07	30.05.2010
3	Sengunthar Engineering College, Tiruchengode,	Lecturer	18.05.06	20.05.07

Administrative experience

Sl. No.	Name of the Assignment	Duration
1.	HRD -Staff	01.06.2019- Till Date
2.	HRD Student	01.06.2017- Till date

3.	Mentor coordinator	01.06.2019- Till Date
4.	Purchase Coordinator	01.07.2014 – 30.05.2017
5.	Student Counselor	01.06.2010 – Till Date
6.	Board of Studies Coordinator, Students Counselor	01.07.2010 – 30.06.14
7.	R&D cell coordinator, Women Empowerment cell coordinator	21.04.09 – 30.06.2010
8.	III cell coordinator	30.05.07 – 20.04.09

JOURNAL PUBLICATIONS/CONFERENCES/WORKSHOPS

Journal Publications	No. of Conferences attended		No. of Workshop/Seminar/STTP
International	National	International	Attended
04	06	06	15

LIST OF PUBLICATIONS MADE

INTERNATIONAL JOURNALS	
1.	“Multi Input Bidirectional DC-DC Converter for Hybrid Electric Vehicle Application” in International Journal Of Innovative Research in Science, Engineering and Technology, Vol.5 Issue 2,1164-1620
2.	“Modeling And Simulation Of Multi Input Bidirectional DC-DC Converter for Hybrid Electric Vehicle Application” in south Asian Journal of Engineering and Technology Vol.2, No.16, 175-182

3.	“Comparative analysis of maximized efficiency and power factor of power converters for photovoltaic system application” in international Journal of Advance and Innovative Research, Volume 3 Issue 4,499-504.
4.	“Performance improvement of three phase induction machine fed by indirect matrix converter using predictive current control”, IJAICT volume1, Issue 8,pp708-713,December 2014

International Conferences

1.	“Fuzzy Optimization of Line Current Harmonics for 12 Pulse Converter” in international conference on “Recent Advancements in Electrical Sciences”
2.	“Improved Power Conditioning Scheme for Photovoltaic System” in international conference on “Innovations in Information Embedded and Communication System”.
3.	“Implementation of Three Phase Single Input Dual Output Matrix Converter” in international conference on “Innovation Research in Engineering and Technology”.

4.	“High Step Up Interleaved Boost Converter with Active Clamp” in international conference on “Futuristic Trends In Electronics Engineering”
5.	“Fuzzy Based High-Step-Up Interleaved Boost Converter with Active Clamp” in international conference on ICON3C’12
6.	“Simulation Analysis Indirect Matrix Converter fed Induction Motor with predictive Current Control” in the International Conference on Renewable Energy Utilization (ICREU-2015) organized by the department of EEE held in Coimbatore Institute of Technology during 8-10 January 2015
National Conference	
01.	“A Modified Harmonic Reduction Technique for Three Phase Uncontrolled rectifier” in National conference on “Electrical and Instrumentation system” conducted by Government college of Technology, Coimbatore.
02.	“FL Based Harmonic Reduction Scheme for 12 Pulse Uncontrolled Rectifier” in National conference on “Modeling, Identification and Control” conducted by K.S.Rangasamy College of Technology, Tiruchengode.
03.	“A New Methodology in Controlling DC-DC Converter” in National conference on “Extreme Engineering and Technology Advancements” conducted by Jayam college of engineering, Tharmapuri
04.	“Fuzzy Controller Based High-Step-Up Interleaved Boost Converter with Active Clamp for Low Voltage PV Cell Generation System” in National conference on “Emerging Trends in Instrumentation Systems”
05.	“Power grid control using GSM” in National conference conducted by K.S.Rangasamy College of Technology, Tiruchengode.
06.	“Monitoring the distribution transformer by using IOT” in National conference conducted by K.S.Rangasamy College of Technology, Tiruchengode.

THESIS SUPERVISED: FOR M.E. / M. TECH. PROGRAMME

Sl. No.	Title of the Thesis Supervised	Name of the candidate	Completed (year)	In progress (With Status)
01	Multi Input Bidirectional DC-DC Converter for Hybrid Electric Vehicle Application	Kavitha	2016	Completed

02	Performance improvement of three phase induction machine fed by indirect matrix converter using predictive current control	Bharanitharan	2015	Completed
03	Comparative analysis of maximized efficiency and power factor of power converters for photovoltaic system application	C.Rajeshkumar	2014	Completed
04	Implementation of Three Phase Single Input Dual Output Matrix Converter	Shanmuga Priya	2013	Completed
05	Fuzzy Based High-Step-Up Interleaved Boost Converter with Active Clamp	Thara	2012	Completed

LIST OF WORKSHOPS / TRAINING PROGRAMMES ATTENDED

Sl. No.	Title	Venue	Sponsoring Authority
1.	workshop on “Advanced power Electronics and Control”	online	IIT Roorkee.
2.	FDP on rural immersion camp	K.S.Rangasamy College of Technology, Tiruchengode	MHRD
3.	workshop on “SCILAB”	K.S.Rangasamy College of Technology, Tiruchengode	IIT - Bombay
4.	Workshop on “Power Systems”	K.S.Rangasamy College of Technology, Tiruchengode	IIT, Kharagpur
5.	Value added course on “Modeling and simulation of non linear system”	CIT, Coimbatore	
6.	workshop on “Control Systems”	K.S.Rangasamy College of Technology, Tiruchengode	IIT, Kharagpur
7.	Seminar on “Smart Medical Diagnosis System Using Image Fusion Technology”	K.S.Rangasamy College of Technology, Tiruchengode	-

8.	seminar on “Modeling and Control of Renewable Energy Power Plants for Efficient and Quality Power Generation”	K.S.Rangasamy College of Technology, Tiruchengode	-
9.	Two Week FDP on “Nanotechnology for Sustainability: Energy Conservation and Storage”	K.S.Rangasamy College of Technology, Tiruchengode	-
10.	Seminar on “Nano-Dielectric Materials in Electrical Insulation Application”	K.S.Rangasamy College of Technology, Tiruchengode	-
11.	Seminar on “Bio-Inspired Computing: Research and Applications	Kongu Engineering College, Erode	-
12.	seminar on “Challenges and opportunities of IoT based stand alone and interactive micro grid system”	K.S.Rangasamy College of Technology	AICTE
13.	Workshop on “Labview and Its Application”	Sasurie College of Engineering, vijayamangalam.	-
14.	Workshop on “Circuit Simulation Using Multisim Software”	K.S.Rangasamy College of Technology, Tiruchengode	-
15.	One day workshop on “Artificial Neural Networks”	Sengunthar Engineering College, Tiruchengode.	-
16.	Workshop on “Neural Networks and Fuzzy Logic System”	Sasurie College of Engineering, vijayamangalam.	-
17.	Faculty Development Program	Sengunthar Engineering College, Tiruchengode	-

DETAILS OF MEMBERSHIP IN PROFESSIONAL SOCIETIES

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1	ISTE	Life Member	Life Member

PROFESSIONAL RECOGNITION AND AWARDS RECEIVED

Type of Award	Nature of award	Awarding Institute / Organization
Best Performer In QEEE	Best Performer In QEEE	K.S.Rangasamy College of Technology
Appreciation for 100% results in University Examination	Certificate of Merit with Cash Prize – 5 times	K.S.Rangasamy College of Technology

R.RADHAMANI