

Crisp Profile

1. Name (in block letters) :Dr.T.S.SIVAKUMARAN
2. Qualifications :B.E.,M.Tech.,Ph.D
3. Date of Birth :18/12/1969 Age :52
4. Address for Communication :PLOT.25, FIRST CROSS STREET,
ANADHAM NAGAR, MOOLAKULAM
PONDICHEERY-605 010
- (a) Mobile Number :9976334444, +91 6369457133 , +251 941624400
- (b) E-mail ID :sivakumaran1969@gmail.com,
sivakumaran1969@bhu.edu.et
- (c) Passport Number :N8485683 / Valid :28.03.26
5. Marital Status :Married
6. Nationality :Indian
7. Teaching / Industrial / Research Experience (Starting from Present Experience)

Sl. No	Name of the post held	Name of the Employer / Institution	From Date	To Date	Teaching/ Industrial/ Research
1	Professor	DEPARTMENT OF POWER ENGINEERING, COLLEGE OF ENGINEERING AND TECHNOLOGY, BULE HORA UNIVERSITY, Ethiopia	26.10.20	Till date	Master level Teaching / Research
2	Professor / Principal	SASURIE College of Engineering , Tirupur, INDIA	31.07.19	30.09.20	Master level Teaching / Research / Administration
3	Professor / Principal	SASURIE Academy of Engineering , Coimbatore, INDIA	23.06.16	30.07.19	Master level Teaching / Research / Administration
4	Dean (PG Studies)	Arunai College of Engineering, Thiruvannamalai, INDIA	23.11.11	22.06.16	Master level Teaching / Research / Administration
5	Professor / Principal	A.R Engineering College Kappiyampuliur, villupuram, INDIA	20.8.10	22.11.11	Master level Teaching / Research / Administration
6	Professor / Principal	AKT Memorial College of Engineering & Technology, KALLAKURICHI, INDIA	31.7.09	19.8.10	Teaching / Admin
7	Senior Lecturer to professor	Mailam Engineering College- Mailam, INDIA	14.8.02	30.7.09	Teaching/ Research
8	Lecturer	Annai Teresa College of Engineering THIRUNAVALUR INDIA	02-06.99	13.08.02	Teaching

8. Academic Qualifications: (Starting from Highest Qualification)

Degree/ Diploma	Branch/ Specialization	Class	% of Marks/ CGPA	Name of the Institution	University	Month & Year of Passing
Ph.D	Electrical Power, Power Electronics and Control	Highly recommended	Highly recommended	Annamalai University	Annamalai University	2009
M.Tech	POWER ELECTRONICS	First	7.8	VIT University	VIT University	2003
B.E	ELECTRICAL & ELECTRONICS	First	64	Annamalai University	Annamalai University	1998

10. Subjects taught/ Interested subject to teach: (UG and PG courses)

Sl. No	Subject Taught: MASTER LEVEL COURSES	Sl.No	Subject Taught : UG COURSES
1	Analysis of Electrical Machines	1	Design Of Electrical Machines
2	Analysis of Power Converters	2	Digital Signal Processing
3	Analysis of Inverters	3	Biomedical Instrumentation
4	Special Electrical Machines	4	Electric Energy Generation, Utilization and Conservation
5	Microcontroller and DSP Based System Design	5	Power Plant Engineering
6	System Theory	6	Microprocessors and Microcontroller
7	Control System design	7	Electrical Machines
8	Flexible AC Transmission Systems	8	Electromagnetic Theory
9	Power Quality	9	Power Plant Engineering
10	Computer Aided Design of Power Electronics Circuits	10	Linear Integrated Circuits and Applications
11	Advanced control systems	11	Measurements and Instrumentation
12	Wind Energy Conversion Systems	12	Transmission and Distribution
13	High Voltage Direct Current Transmission	13	Electronic Devices and Circuits
14	Power Electronics for Renewable Energy Systems	14	Control Systems
15	Power System Analysis	15	Solid State AC & DC Drives
16	Power System Protection	16	Power Electronics

17	Smart Grid Technology	17	High Voltage Engineering
18	Power System Planning & Management	18	Research Methodology

11. Membership of Professional Bodies:

Professional Body	Type of Membership	Position Held
ISTE	LIFE	MEMBER
AMIE	LIFE	MEMBER
IEEE	ANNUAL	MEMBER

12. Any other information the applicant wishes to state:

Sl.No	Title	National	International
1	Seminar	06	
2	Workshop	15	
3	SDP	07	
4	Organized Program	09	
5	Journal	02	94 (SCI -13, SCOPUS -52, WOS-06, UGC-02 & others-43)
6	Conferences	21	29

13. Research Guidance (Approved by the Universities)

Sl.No	Name of the University	Supervisor Ref. No.
1	Anna University, Chennai	2830005
2	Satyabama University, Chennai	31043
3	Bharat University, Chennai	R13EE01

No. of Research Scholars Completed Ph.D :14

No. of Research Scholars ONGOING: Thesis submitted : 02

On-going :02

Research Area: Power System, Power Electronics and control

14. BOOK Published

Dr.T.S.Sivakumar, S.K.B.Sangeetha and S.K.B.Rathika, “COMPUTER ARCHITECTURE”, Published by BONFRING Intellectual Integrity. India

15. PATENTS

1. Title of Invention: DESIGN OF LCLC RESONANT CONVERTER FOR HIGH POWER APPLICATIONS. Ref.No:201941054560.App. No.TEMP/E-1/57632/2019-CHE
2. Title of Invention: PERFORMANCE ANALYSIS OF CONVERTERS AND MULTILEVEL INVERTERS FOR RENEWABLE ENERGY SYSTEMS. Ref.No:202041004102.App. No.TEMP/E 1/4425/2020-CHE

16. Organized Programs

Name of the Scheme	Title	Amount(In rupees)	Status
DST-NIMAT	“Renewable Energy Sources Technology and Applications	1,75,000.00	UC submitted
Anna University	Faculty Development Program(EE-6302 Electro Magnetic Theory)	60, 000.00	UC submitted
DST-NIMAT	Entrepreneurship Awareness Programme (2017-18 (4 Programmes)	80,000/-	UC submitted
DST-NIMAT	for conducting Entrepreneurship Awareness Programme (2018-19 (3 Programmes))	Rs.60,000	UC submitted
PMKVY-TI 2016-17	Received the amount for conducting Project in our institution in the year of 2016-17 (CNC operator, Lathe, 50 Candidates)	Rs.5,30,000	UC submitted
PMKVY-TI 2017-18	Received the amount for conducting PMKVY-TI Project in the year of 2017-18 (Assistant Bar bender and steel fixer, Domestic data entry operator, LMV Driver level 3, Mobile phone hardware repairing, 100 Candidates)	13,66,875	UC submitted
PMKVY-TI 2018-19	Received the amount for conducting. 625 Candidates (Lathe Operator, LMV Driver Level 3, CCTV Installation Technician, DTH Set Top Box Installation & Service Technician, Electrician Domestic Solutions, Junior Mechanic Electrical, Domestic Data entry Operator, Junior Software Developer, Housekeeping Attendant (Manual Cleaning), Retail Trainee Associate, Construction Laboratory & Field Technician)	Rs.77,98,688	UC submitted
DDU-GKY	<u>Skill Development Program</u> Retail Seller -500 students + BPO (non-voice)-500 students. This program tie-up with Manpower group Delhi	5 crore	On going

17. Academic experience

- I have experience in different designation for 22 years where I worked with the professor / Dean / Principal on many aspects.
- I worked closely with students of both post graduate and undergraduate level.
- My research projects have resulted in a high level of Journal publications and publishing patents.
- I am also an active participant for on and off campus events which gave me tremendous experience and intrinsic rewards.
- I have applied Rs.1.10 Crore project proposal from Last year.
- I have good publications like Elsevier, Wiley, Springer etc., and have 18 Ph.D scholars among that 12 scholar had completed his Ph.D. I Assure that will publish minimum 1 SCI and 1 Scopus indexed journal publication for every year.
- Having experience in autonomous institution, accreditation process likes NBA, NAAC, 5S & 2f& 12b status certification.
- Having idea in IET accreditation process
- Having lot of industry link in and around Coimbatore and Chennai, based on that till now 2 companies signed MoU with us along with Centre of Excellence.
- I am aware that working as a professor requires to work as a team with other staff members.,

(T.S.SIVAUMARAN)



PROFILE

Dr.SIVAKUMARAN.T.S

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Moolakulam, Pondicherry 605 010**

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6369457133 , +251941624400

Email: sivakumaran1969@gmail.com
praveen_tss@rediffmail.com

Professional History

- **Ph.D in Power Electronics from Instrumentation Engg, FEAT, Annamalai University, Annamalainagar, 2009, India**
Title “PERFORMANCE EVALUATION OF LOAD RESONANT CONVERTERS”
- **M.Tech. in “POWER ELECTRONICS” from VIT University ,Vellore 2001-2003, India**
Title “PC-BASED AC DRIVE USING IGBT-SOFT SWITCHING TECHNOLOGY”
- **B.E in Electrical & Electronics from FEAT, Annamalai University, Annamalainagar 1994-1998.**
- **Diploma in Electrical & Electronics (DEEE) from Muthiah Polytechnic, Annamalai University, Annamalainagar 1987-1990, India**
- **H.Sc from Govt.Hr.Sec.School,Panruti, 1987**
- **S.S.L.C from Govt.Hr.Sec.School,Pudhupet, 1985**

Work History

- Working as a **Professor** in Department of Power Engineering, College of Engineering and Technology, Bule Hora University, Bule Hora, OROMIA, Ethiopia from 26.10.2020 to Till date.
- Worked as a **Principal** in Sasurie college of Engineering, Vijayamangalam, Tirupur, from 31.07.19 to 31.09.20
- Worked as a **Principal** in Sasurie Academy of Engineering, Kariyampalayam, coimbatore, from 23.06.16 to 30.07.2019
- Worked as a **Dean (PG Studies)** in Arunai College of Engineering, Thiruvannamalai, from 23.11.11 to 22.06.16.
- Worked as a **Principal** in A.R Engineering College Kappiyampuliur, villupuram, from 20.8.10 to 22.11.11.
- Worked as a **Principal** in AKT Memorial College of Engineering & Technology, Kallakurichi, from 31.7.09 to 19.8.10.
- Worked as a **Professor** in Mailam Engineering College-Mailam (Anna University) from 1.6.09 to 30.7.09
- Worked as a **Assistant Professor** in Mailam Engineering College-Mailam (Anna University) from 1.6.04 to 31.5.09.
- Worked as a **Senior Lecturer** in Mailam Engineering College-Mailam (Anna University) from 14.8.2002 to 31.5.04.
- Worked as a **Lecturer** in Annai Teresa college of Engineering college-Thirunavalur (Anna University) from 02-06.1999 to 13.08.2002
- Worked as **Electrical Supervisor** at S.K. Enterprises(Electrical Engineers & Contractors), Vadalur 607 303, from 05-01-1994 to 15.03.1999
- Worked as **Technician –Apprentice** at TNEB, Tamilnadu from 04-01.1993 to 03.01.1994

- Worked as **Electrical Supervisor** at S.K. Enterprises(Electrical Engineers & Contractors), Vadalur 607 303, from 1.5.92 to 31.12.93
- Worked as **Electrical Supervisor** at Chengalrayan Co-operative Sugar Mill Ltd at Periyasevalai -607 209 from 05-04-1991 to 16.04.1992

Seminar Attended

- **“Recent Trends in Power Electronics & Drives”** organized by Sri Sai Ram Engineering college, Chennai from 23/1/03 to 24/01/03.
- **“DSP Emerging Trends and opportunities”** jointly conducted by TI, SANDS & IEE on 9th Jan, 2004 at GRT Grands, Chennai.
- **“Professional Ethics”** organized by Mailam Engineering College on July 31, 2004
- **“Innovative Teaching Techniques in Engineering colleges”** organized by Mailam Engineering College on August 7, 2004.
- **“Rajiv Gandhi Renewable Energy Day”** organized by Mailam Engineering College on August 20, 2006
- **“94th Indian Science Congress”** held at Annamalai University, Annamalai Nagar from January 3 to 7, 2007.
- **“Energy management and energy conservation techniques”** sponsored by AICTE, New Delhi & organized by Sri Manakula Vinayagar Engineering College, Puducherry from 14/02/08 to 16/02/08.

Workshop Attended

- UGC sponsored STP on **“TMS320F2407 DSP & its application to power electronic control”** Organized by the Dept. of Instrumentation Engineering, FEAT, Annamalai University from 25/2/2004 to 26/2/2004.
- Workshop on **“Research Methodology for Engineering Teachers”** Organized by Sri Ramakrishna Engineering College, Coimbatore.
- Workshop on **“Simulation of Power Electronic Circuits and Systems”** Organized by CCE, Indian Institute of Science, Bangalore-560 012 from 21-08-06 to 23-08-06.
- Workshop on **“Management of Red Ribbon Clubs in Engineering Colleges”** sponsored by TANSACS and conducted by YOUTH RED CROSS, CEG, Chennai, held on 25-02-06.
- UGC sponsored workshop on **“Power Electronic circuit simulation using SABER, PSPICE, MATLAB and CASPOC-03”** Organized by the Dept. of Instrumentation Engineering, FEAT, Annamalai University from 24/3/2007 to 25/3/2007.
- GAIL and ONGC sponsored Workshop on **“Advances in Modeling, Simulation and Control for Power Electronic Drives”** Organized by Pondicherry Engineering college, Puducherry from 20/9/07 to 21/9/07.
- Workshop on **“Entrepreneurship Development”** organized by Mailam Engineering College, Mailam held on 08.02.08.
- Workshop on **“dSPACE based control of power electronic converter”** Organized by the Dept. of Instrumentation Engineering, FEAT, Annamalai University from 01/3/2008 to 02/03/2008.
- Workshop on **“Research Issues & Challenges in Mobile Adhoc Networks”** Organized by Arunai College of Engineering, Tiruvananmalai and sponsored by IEEE from 21.9.2012 to 22.9.12.
- Workshop on **“Matlab/Simulink-Based Modelling and Analysis of Power Systems in Power Electronics”** Organized by Arunai College of Engineering, Tiruvananmalai and sponsored by IEEE from 1.3.2013 to 2.3.2013.
- Workshop on **“R & D Project proposals-Awareness, Needs and Benefits”** Organized by Centre for Technology and Transfer and sponsored by Anna University Chennai held on 28.06.13.
- Workshop on **“NPTEL Workshop”** Organized by Arunai College of Engineering, Tiruvananmalai and sponsored by IIT Chennai held on 13.07.13.

- Workshop on **“Control System”** organized by Arunai College of Engineering, Tiruvananmalai and conducted by Indian Institute of Technology Kharagpur from 02.12.2014 to 12.12.2014.(This workshop was held under the National Mission on Education through ICT(MHRD).
- Workshop on **“Finite Element Analysis software”** organized by Adhi college of Engineering & Technology held on 26.02.15.
- UGC sponsored STP on **“Embedded control for PV fed Electric Drive systems (ECPVFEDEDS’15)”** Organized by the Dept. of Instrumentation Engineering, FEAT, Annamalai University from 09/03/15 to 14/03/15.

Staff Development Program

- **“Solid state drives”** sponsored by CFFD, Anna University & organized by Bannari Amman Institute of Technology, Sathiyamangalam from 09/05/05 to 14/05/05.
- **“Soft computing Technique in power converter Design”** sponsored by AICTE, New Delhi & organized by Noor Islam College of Engineering, Kumarakoil from 12/6/06 to 24/06/06.
- **“Emerging trends in embedded and wireless technology”** sponsored by AICTE-ISTE, New Delhi and organized by Mailam Engineering college, Mailam from 19/3/07 to 23/3/07
- **“Renewable Energy Sources Technology and Applications”** sponsored by DST-NIMAT, Govt, of India and Organized by Arunai College of Engineering, Tiruvannamalai from 3.12.12 to 15.12.12.
- **“Analysis and Modeling of Motors using FEM Package(ANSYS)”** sponsored by AICTE, New Delhi & organized by Manakula Vinayagar Institute of Technology, Kalitheerthalkuppam, Pudhucheery, from 18 / 11 /2013 to 30 / 11 /2013.
- **“Electromagnetic Theory”** sponsored by Anna University, Chennai and Organized by Arunai College of Engineering, Tiruvannamalai from 16.06.14 to 23.06.14.

Organized Program

- **“Innovative Teaching Techniques in Engineering colleges”** organized by Mailam Engineering College on August 7, 2004.
- **“Rajiv Gandhi Renewable Energy Day”** organized by Mailam Engineering College on August 20, 2006
- Workshop on **“Entrepreneurship Development”** organized by Mailam Engineering College, Mailam held on 08.02.08.
- Familiarization Programme on **“Thermal Power Plant”** organized by National Power Training Institute (Under Ministry of Power, Govt. of India), Neyveli from 27.02.2012 to 28.02.2012.
- Technical Workshop on **“Multiphase AC Drive System and Fault Diagnosis”** organized by Department of Electrical & Electronics, Arunai college of Engineering Tiruvannamalai on 09.08.12.
- **“Renewable Energy Sources Technology and Applications”** sponsored by DST-NIMAT, Govt, of India and organized by Arunai College of Engineering, Tiruvannamalai from 3.12.12 to 15.12.12
- Workshop on **“Matlab/Simulink-Based Modelling and Analysis of Power Systems in Power Electronics”** organized by Arunai College of Engineering, Tiruvananmalai and sponsored by IEEE from 1.3.2013 to 2.3.2013
- Workshop on **“Matlab/Simulink-Based Modelling and Analysis of Power Systems in Power Electronics”** organized by Arunai College of Engineering, Tiruvananmalai and sponsored by IEEE from 7.2.14 to 8.2.14.
- **“Electromagnetic Theory”** sponsored by Anna University, Chennai and Organized by Arunai College of Engineering, Tiruvannamalai from 16.06.14 to 23.06.14.

1. Research Guidance

Sl.No	Name of the University	Supervisor Ref. No.
1	Anna University, Chennai	2830005
2	Satyabama University, chennai	31043
3	Bharat University, Chennai	R13EE01

Ph.D RESEARCH SCHOLARS COMPLETED: Direct : 14
 Co-Guide : 07(Annamalai University)
 Ph.D RESEARCH SCHOLARS ONGOING: Thesis submitted : 02
 On-going :02

Sl.No	Name Of The Scholar	Title Of The Thesis	Date Of Viva
1	D.Tamilarasi(Reg.No.2011173058) & Anna University	Investigations On Multilevel Current Source Inverter	10.01.2018
2	N.Madhanak Kumar [Reg.No.2011173022] & Anna University	Performance Evaluation Of Incorporating Resonant Boost Converters For Different Control Techniques	19.02.2018
3	S.Bala Subramaniyan [Reg.No.2011173006] & Anna University	Power Quality Improvement Using Facts Devices With Optimization Techniques	28.03.2018
4	B.Stalin[Reg.No.2011174001] & Anna University	Performance Analysis And Design Of Four Quadrant Bidirectional Dc-Dc Converter For Industrial Application With Soft Switching	13.04.18
5	Bhaskar K.B (Reg.No.D13ee001) & Bharath University	Analysis Of Cascaded Asymmetric Multilevel Inverter Using Pi And Fuzzy With Implementation of FPGA Controller	17.04.2018
6	N.Arun Kumar [Reg.No.2011173003] & Anna University	Design And Implementation Of Non-Linear Controllers For Contemporary Dc-Dc Converters	26.06.18
7	M.Saravanan [Reg.No.2011173038] & Anna University	An Investigation On Indirect Matrix Converters Using Space Vector Modulation	20.09.2018
8	Mr.K.Kirubananthan(Reg.No.1213399718) & Anna University	Control Of Distributed Power Flow Controller For Power Quality Improvement	19.11.2018
9	M.Balamurugan [Reg.No.2011173005] & Anna University	Performance Analysis And Design Of Four Quadrant Bidirectional Dc-Dc Converter For Industrial Application With Soft Switching	28.12.2018
10	Priyadharsini(Reg.No.1224399741) & Anna University	Performance Analysis Of SI Quasi Z-Source Inverter With Multi Level Inverter For Different Loads	13.09.2019
11	Ms. Geetha R , (Reg.No: D13ee002) &	Investigations On Multiple Energy Storage Element Resonant Power Converter	02.03.2020

	Bharat University		
12	S.Srinivasan (Reg.No.D13ee511) & Bharat University	Performance Analysis Of Convertors And Multilevel Invertors For Renewable Energy Systems	24.02.2020
13	G.K.Sathiskumar & Reg.No:2013193110 Sathyabama University	Design And Optimization Of Multi Phase Induction Motor For Heavy Industries	Thesis Submitted
14	Mr.S.Saravanan(201319 3113) & Sathiyabama University	A Comparative Investigation Of Three Phase Stand Alone Photovoltaic Application Using Svm And SPWM	16.07.2021
15	Ms.R.Ramya(20131931 12) & Sathiyabama University	High Power Density Single Phase Pwm Rectifier With Ripple Energy Storage For Drive System	07.12.2020
16	Mr.A.Balamurugan (Reg.No.2013793102) & Sathiyabama University	Multiphase Induction Motor Fault Diagnostics Using Soft Computing Techniques	Thesis Submitted
17	A.Janagiraman [2011173018] & Anna University	A Robust Approach To Controllers Design For Luo Converters With Voltage Lift Technique	On Going
18	A.Abdul Namith [2011174001] & Anna University	Optimized Thermoelectric Energy Reaping Form Human Body For Low Power Application	On Going

Book Published

1. Dr.T.S.Sivakumaran, S.K.B.Sangeetha and S.K.B.Rathika, "COMPUTER ARCHITECTURE", Published by BONFRING Intellectual Integrity. India

PATENTS

1. Title of Invention: DESIGN OF LCLC RESONANT CONVERTER FOR HIGH POWER APPLICATIONS. Ref.No:201941054560.App. No.TEMP/E-1/57632/2019-CHE
2. Title of Invention: PERFORMANCE ANALYSIS OF CONVERTERS AND MULTILEVEL INVERTERS FOR RENEWABLE ENERGY SYSTEMS. Ref.No:202041004102.App. No.TEMP/E 1/4425/2020-CHE

Organised / Applied programs

Name of the Scheme	Title	Amount(In rupees)	Status
DST-NIMAT	"Renewable Energy Sources Technology and Applications	1,75,000.00	UC submitted
Anna University	Faculty Development Program(EE-6302 Electro Magnetic Theory)	60, 000.00	UC submitted
DST-NIMAT	Entrepreneurship Awareness Programme (2017-18 (4 Programmes)	80,000/-	UC submitted
DST-NIMAT	for conducting Entrepreneurship Awareness Programme (2018-19 (3 Programmes))	Rs.60,000	UC submitted

PMKVY-TI 2016-17	Received the amount for conducting Project in our institution in the year of 2016-17 (CNC operator, Lathe, 50 Candidates)	Rs.5,30,000	UC submitted
PMKVY-TI 2017-18	Received the amount for conducting PMKVY-TI Project in the year of 2017-18 (Assistant Bar bender and steel fixer, Domestic data entry operator, LMV Driver level 3, Mobile phone hardware repairing, 100 Candidates)	13,66,875	UC submitted
PMKVY-TI 2018-19	Received the amount for conducting. 625 Candidates (Lathe Operator, LMV Driver Level 3, CCTV Installation Technician, DTH Set Top Box Installation & Service Technician, Electrician Domestic Solutions, Junior Mechanic Electrical, Domestic Data entry Operator, Junior Software Developer, Housekeeping Attendant (Manual Cleaning), Retail Trainee Associate, Construction Laboratory & Field Technician)	Rs.77,98,688	On going
DDU-GKY	<u>Skill Development Program DDU-GKY</u> Retail Seller -500 students +BPO(non-voice)-500 students. This program tie-up with Manpower group Delhi	5 crore	On going

Journal Published

- INTERNATIONAL LEVEL
- T.S.Sivakumaran and S.P.Natarajan, 'Intelligent control of parallel loaded resonant converter fed PMDC motor', *Journal of Asian Power Electronics (APEJ)*, Vol.2, no.2, pp-103-108, Oct-2008.
- A.Josephbasanth, S.P.Natarajan and T.S.Sivakumaran, "Performance Evaluation of Double Output LUO Converter with PI and Neuro Controllers", *UPA International Journal of Power Systems and Power Electronics*, vol.3, No.1, pp- 46 – 53, 2010.
- Y.Thiyagrajan, M.Omameswari, and T.S.Sivakumaran., "Interleaving Technique in Multiphase Buck & Boost Converter" *ACEEE International Journal on Control System and Instrumentation DOI: 02.AEE.2011.02.48*, pp- 34-38.
- G.K.Sathiskumar and T.S.Sivakumaran, "Finite Element Thermal analysis of High speed Switched Reluctance Motor using Soft Magnetic Composite material with different load conditions", *International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE)*, vol.1, issue.7, pp-183-189, SEP,2012.
- G.Irusapparajan, N.Madhanakumar and T.S.Sivakumaran, "A Survey on Hysteresis Current Control Technique at the Grid-Connected Voltage Source PWM converters", *International Journal of Archives Des Sciences*, vol.66, No.3, , pp-398-411, March 2013.(*Anna University Referred Journal, Annexure I/Sl.No832*)
- S.Balasubramaniyan, T.S.Sivakumaran, G.Irusapparajan, and Devi. R. Narmadha, "PV fed Distributed Power System: A Power Quality Improved System using Multiloop Control Technique", *International Journal of Archives Des Sciences*, vol.66, No.3, , pp-442-451, March 2013.(*Anna University Referred Journal, Annexure I/Sl.No:832*)
- N.Madhanakumar, G.Irusapparajan, and T.S.Sivakumaran, "Permanent Magnet Synchronous Motor: A Literature Survey on Topologies and Control Strategies", *International Journal of WULFENIA*, vol.20, No.3, , pp-365-377, March 2013.(*Anna University Referred Journal, Annexure- I/Sl.No:8180*).

9. S.Priyadharsini, T.S.Sivakumaran , “Comparative THD Analysis of Diode clamped Multilevel Z-source Inverter using PWM Control Techniques”, *International Journal of Archives Des Sciences* , vol.66, No.4, , pp-329-339, April- 2013.(Anna University Referred Journal, Annexure I/Sl.No:832)
10. A.Josephbasanth, S.P.Natarajan and T.S.Sivakumaran, “Performance Analysis of Positive Output Super-Lift Re-Lift Luo Converter With PI and Neuro Controllers”, *IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)* vol.6, No.3, pp- 21–27, May-June 2013.
11. S.Balasupramaniam T.S.Sivakumaran and S.Rathinambal. , “Voltage Sag Mitigation in Utility Connected System Current Source Converter Based D-STATCOM “*ACEEE Int. J. on Electrical and Power Engineering* , Vol. 4, No. 2, Aug 2013
12. K.Kirubananthan, Dr.T.S.Sivakumaran, J.Ramakrishnan., , “DPFC Based Control of using Third Harmonics Frequency in Transmission Line “*International Journal of Advanced Computing and Communication Systems (IJACCS)*, Vol. 1, Issue-1,pp-56-59,Mar 2014
13. N.Madhanakumar , T.S.Sivakumaran, G.Irusapparajan and D.Sujitha “Closed Loop Control of LLC Resonant Converter Incorporating ZVS Boost Converter ”, / *International Journal of Engineering and Technology (IJET)*, Vol 6 No 2 Apr-May 2014.(Anna University Referred Journal, Annexure-II/Sl.No:8187)
14. B.Stalin and T.S.Sivakumaran, “An Enhanced Ultra Capacitor Interface Circuit Based Bidirectional Soft Switching Converter”, *International Journal of Review on Modelling and Simulations (IREMOS)*, vol.7, No.1, pp-1-15, Feb, 2014.(Anna University Referred Journal, Annexure- II/Sl.No:8816)
15. D.Tamilarasi and T.S.Sivakumaran, “Effectiveness Of SHEPWM Technique For Parallel Current Source Inverters Using Artificial Bee Colony Algorithm”, *International Journal of Theoretical and Applied Information Technology*, vol.65, No.1, pp-137-145, 10th July, 2014.(Anna University Referred Journal, Annexure- II/Sl.No:12050).
16. S. Ganesh Kumaran, S. Singaravelu and T.S.Sivakumaran, , “Novel Idea to Reduce Industrial Pollution By Monitoring and Controlling System Using Zigbee “*i-manager's Journal on Digital Signal Processing (JDP)*, Vol. 2 l No. 2. pp-10-15 April - June 2014.
17. D.Tamilarasi , A.Abdulnamith and T.S.Sivakumaran, “Analysis, Design and Implementation of DC-DC boost converter using H_{∞} loop shaping controller”, *International Journal of Applied Mechanics and Materials*, vol.622(2014), , pp-1-9.(Anna University Referred Journal, Annexure- II/Sl.No:1434).
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1. **T.S.Sivakumaran “Modeling and simulation of series- parallel loaded resonant converter using simulink” in Proc National conference (ISTE CHAPTER-RAGAME 2004) on Nov-26-27.2004 at SriManakula Vinayakar Engineering College, Madagadipet, Pondicherry.**
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EXTRA CURRICULAR ACTIVITIES

- ❖ Chief Supertindent-Anna University Examinations & Madras University Examinations, Chennai
- ❖ **ISTE Life Member(LM 37475)**
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