

Curriculum Vitae

Dr. S. THIRUVENKADAM

Professor

**Department of Electrical and Electronics Engineering,
P.A. College of Engineering and Technology, Pollachi
Tamilnadu, India-642 002.**

Career Objective

To take the responsibility in an academic institution, where I can contribute in an integrated way to provide ambience for technical education, administrative excellence and team work to nurture the students with the sole aim of fostering technical education underscoring a social perspective.

Experience details

Institution / Industry	Designation	Period	No of Years
P.A. College of Engineering & Technology	Professor and Head of the Department	02-05-2012 To Till date	3 Years 3 Months
Dr. MCET	Senior Assistant Professor (Selection Grade)	01-01-2012 To 30-04-2012	4 Months
Dr.MCET	Assistant Professor (Senior Scale)	01-01-2011 To 31-12-2011	1 Year
Dr.MCET	Senior Lecturer	01-06-2008 To 31-12-2010	2 Years 6 Months
Dr. Mahalingam College of Engineering and Technology (Dr.MCET)	Lecturer	25-05-2005 To 31-05-2008	3 Years
Muthayammal Engineering College, Rasipuram	Lecturer	25-05-2004 To 25-05-2005	1 Year
Sri Nandhanam College of Engineering &Technology, Tirupathur	Lecturer	08-12-2003 To 20-05-2004	6 Months
Sri Nandhanam College of Engineering &Technology, Tirupathur	Lecturer	10-07-2000 To 07-08-2002	2 Years
Sree Durga Engineering Works, Coimbatore	Trainee Engineer	26-06-1999 To 02-07-2000	1 Year

Education details

Name of the Degree	College / University	Specialization	Month & Year of Passing	Class obtained	Aggregate Marks (%)
Ph.D.	Anna University of Technology, Coimbatore	Electrical Engineering	Sep' 2011	Highly commended	-
ME	Faculty of Engineering and Technology, Annamalai University	Power System	May, 2004	First class with distinction	8.62 (CGPA)
BE (EEE)	Bharathiyar/ Kongu Engineering College, Perundurai.	EEE	May, 1999	First class	69%

Conferences/Seminars/Workshops Organised

Details of Programme	Venue	Sponsoring Authority	No. of Participants Attended		Period
			Internal	External	
AICTE Sponsored Three Days Seminar On "Watermarking Techniques To Copyrights Production"	PACET	AICTE	10	40	5 th -7 th Jan 2014
Second National Conference On Electrical Sciences And Technology Innovations (Nest I'10)	Dr. MCET	Dr. MCET	10	40	4 th Dec'2010
AICTE Sponsored SDP On "Applications Of Wavelets And Soft Computing Techniques For Power Quality Analysis"	Dr. MCET	AICTE	3	30	15 th – 27 th Nov 2009
Workshop On "Global Warming-Awareness On Renewable Energy"	Dr. MCET	Dr. MCET	10	30	14 th August 2008
One Day Workshop On "Renewable Energy"	Dr. MCET	Dr. MCET	30	120	10 th Jan 2007
National Level Technical Symposium "Techsym-2006"	Dr. MCET	Dr. MCET	-	450	5, 6 and 7 th Dec 2006
One Day Workshop On "MEMS & Smart Sensors"	Dr. MCET	Dr. MCET	5	100	18 th Feb 2006

Two Day Workshop On “Insight Into DSP And Its Applications”	Dr. MCET	Dr. MCET	5	100	2&3 rd Mar 2007
Seminar On “Renewable Energy – Energy for the Future”	Dr. MCET	TEDA	5	50	20 th Aug-2005

Seminars/Workshops Participated

Details of Programme	Venue	Date
One day seminar on “Effective leadership” organized by Infosys	M.A.M College of Engineering and Technology, Trichy	10 th Jan 2014
Three Days Technical Conclave on “Power Electronics and Power Systems”	National Institute of Technology (NIT), Trichy	13 th -15 th Nov 2013
One day technical conclave on “Industry Institute Interaction” organized by ICTACT	Codissia Conventional Centre, Coimbatore	5 th July 2013
AICTE sponsored Two days seminar on “Intelligent System Applications for optimization”	Vivekanandha College of Engineering	09 th Oct 2010
Training on “Low Voltage Switch Gear”	L&T Ltd, Switch Gear Training Centre, Coonoor	13 th -15 th Sep 2010
One day workshop on “Green Energy Technologies”	Dr. MCET	20 th August 2010
DST sponsored seminar on “Intelligent Digital Controller for Special Electrical Machines”	IRTT, Erode	30 th and 31 st July 2009
Workshop on “Research applications using MATLAB and LabVIEW”	Dr. MCET	4 th April 2009
Workshops on “Development of Instructional Resources” conducted by NITTTR	Dr. MCET	24 th – 28 th Feb 2009 16 th – 18 th April 2009 7 th – 11 th July 2009
Recent trends in Condition Monitoring of Power Apparatus and Systems	Department of EEE, IIT-Chennai	30 th June –11 th July 2008
Educational Track on Power Transmission and Distribution system	IEEE Power Energy Society	21-24 th April 2008
One day workshop on Awareness on DSIR research projects	Bannari Amman Institute of Technology, Sathy	Dec 12 th 2007

Renewable Energy for Engineering Educational Institutions	Solar Energy Centre(MNES), Haryana	03 rd –05 th August 2006
Soft Computing Techniques for power systems	SRM Institute of Science & Technology, sponsored by UGC	28 th Nov to 17 th Dec 2005
One day Workshop on MEMS & SMART SENSORS	Dr.MCET	18 th Feb 2006
One day Workshop on Renewable Energy	Dr.MCET	10 th Jan 2007
Two day Workshop on Insight into DSP and its Applications	Dr.MCET	2 nd & 3 rd Mar 2007
One day seminar on “Value Based Education”	Rotary Club of Pollachi	23 rd Oct 2005

Scientific Lectures Delivered / Conference Chair

Title of the Programme	Venue	Date
Faculty Development Programme on “Java Programming”	P.A. College of Engineering and Technology, Pollachi	13 th Dec 2015
One day Seminar on “OOPS with C++”	C.S.I. College of Engineering and Technology, Ooty	30 th July 2014
Anna University Sponsored FDP on “OOPS and Data Structures”	P.A. College of Engineering and Technology, Pollachi	6 th June 2014
AICTE sponsored three days seminar on “Watermarking techniques in Copyrights production”	P.A. College of Engineering and Technology, Pollachi	5 th Jan 2014
Anna University Sponsored FDP on “Programming and Data Structures –I”	P.A. College of Engineering and Technology, Pollachi	17 th Dec 2013
Anna University Sponsored FDP on “Data Structures and Algorithms”	P.A. College of Engineering and Technology, Pollachi	27 th May 2013
CSIR sponsored two days seminar on “Recent trends in ”	P.A. College of Engineering and Technology, Pollachi	3 rd Jan 2013
MNRE sponsored two days seminar on “Renewable Energy Commercialization”	P.A. College of Engineering and Technology, Pollachi	21 st Nov 2012
Chair person for the one day national conference	Vivekanandha College of Engineering, Tiruchengode	18 th Feb 2012
AICTE sponsored Two days workshop on “Power Quality”	Angel College of Engineering, Tirupur	30 th Oct 2011
Chair person for the one day national conference	Info Institute of Engineering and Technology, Coimbatore	20 th Feb 2011

AICTE sponsored Two days seminar on “Intelligent System Applications for optimization”	Vivekanandha College of Engineering, Tiruchengode	09 th Oct 2010
Guest Lecture on “Software Framework”	Sri Saraswathi Thiyagaraja College, Pollachi	18 th Sep 2010
Chair person for the technical symposium paper presentation contest	Vellalar College of Engineering, Erode	19 th July 2010
Chair person for the technical symposium paper presentation contest	Sri Sakthi Institute of Technology, Coimbatore	28 th Mar 2010
DST sponsored seminar on “Intelligent Digital Controller for Special Electrical Machines”	Institute of Road and Transport Technology, Erode	31 st July 2009
Anna University sponsored SDP on “Power System Analysis”	Moogambikai College of Engineering, Tiruchi	15 th Dec 2006

Publications

In National/International conference proceedings

1. “Data Flow Management of JSP based web application”, National conference on Application of Emerging Technologies in electrical sciences”, at Velalar college of Engineering and Technology, Erode, on 9th April 2009.
2. “MVC architecture based Neuro-Fuzzy approach for distribution feeder reconfiguration for Loss reduction and load balancing”, in 2008 IEEE PES Transmission and Distribution conference and exposition Chicago, USA April 21-24, 2008
3. “Congestion Management Of Restructured Power System Through TCSC Using Optimal Load Dispatch”, in International conference on Intelligent systems & control – ISCO 2008, at Karpagam College of Engineering, 2008
4. Hybrid Neuro-Fuzzy based reconfiguration of radial distribution systems to maximize loadability Fourth National conference on PCID,2008 Bannari Amman Institute of Technology

In National/International Journals

1. Thenmalar. K., Ramesh. S. & **Thiruvankadam. S.**, “Opposition Based Differential Evolution Algorithm for Dynamic Economic Emission Load Dispatch (EELD) with Emission Constraints and Valve Point Effects”, Journal of Electrical Engineering and Technology, vol. 10, No. 6, pp. 709-718, 2015.
2. Sivapriya. K. & **Thiruvankadam. S.**, “Power Quality Improvement Using A Voltage Controlled Dstatcom”, International Journal of Applied Engineering Research, vol. 10, no. 5, pp. 12079-12091, 2015.

3. Mahendran. G., Sathiskumar. M., **Thiruvnkadam. S.** & Lakshminarasimman. L., “Multi-objective Unbalanced Distribution Network Reconfiguration through Hybrid Heuristic Algorithm”, *Journal of Electrical Engineering and Technology*, vol. 8, No. 2, pp. 215-222, 2013.
4. Sureshkumar. S, Saravanan. G & **Thiruvnkadam. S.**, “Optimizing Makespan In JSSP Using Unordered Subsequence Exchange Crossover In GA”, *IOSR Journal of Computer Engineering (IOSR-JCE)*, vol. 8, No. 5, pp. 41-46, 2013
5. Sathiskumar. M., Nirmalkumar. A., **Thiruvnkadam. S.** & Lakshminarasimman. L., “A self adaptive hybrid differential evolution algorithm for phase balancing of unbalanced distribution system”, *International Journal of Electrical Power and Energy Systems*, vol. 42, pp. 91-97, 2012.
6. Sathiskumar. M., Nirmalkumar. A., **Thiruvnkadam. S.** & Lakshminarasimman. L., “A Hybrid PGSA-SaHDE algorithm for Network Reconfiguration of Unbalanced Distribution System”, *Journal of Applied Sciences Research*, vol. 8, no. 2, pp. 1041-1051, 2012.
7. Sathiskumar. M., Nirmalkumar. A., **Thiruvnkadam. S.** & Lakshminarasimman. L., “Phase Balancing of Unbalanced Distribution Network through Hybrid Greedy-Fuzzy Algorithm”, *International Journal of Computer Applications*, vol.34, no. 6, pp. 38-45, 2011.
8. Sathiskumar. M., Nirmalkumar. A., **Thiruvnkadam. S.** & Lakshminarasimman. L., “Feeder Reconfiguration and Service Restoration in Distribution Networks through Fusion Technology: Part 2”, *Australian Journal of Electrical and Electronics Engineering*, vol.8, no. 3, pp. 219-230, 2011.
9. **Thiruvnkadam. S.**, Nirmalkumar. A. & Sathiskumar. M., “Distribution Network Optimization through Fusion Technology”, *Australian Journal of Electrical and Electronics Engineering*, vol.7, no. 2, pp. 145-152, 2010.
10. **Thiruvnkadam. S.**, Nirmalkumar. A. & Sathiskumar. M., “Software Framework Design for Power Distribution System Applications with Struts”, *Journal of Applied Sciences Research*, vol. 6, no. 2, pp. 97-106, 2010.
11. **Thiruvnkadam. S.**, Nirmalkumar. A. & Sathiskumar. M., “Distribution Network Optimization through Algorithm Design Techniques”, *Gests International Transactions on Computer Science and Engineering*, vol.57, no. 1, pp. 131-148, Dec’ 2009.
12. **Thiruvnkadam. S.**, Nirmalkumar. A. & Sathiskumar. M., “Large Radial Distribution Network Optimization through Algorithm Design Technique”, *CiiT International Journal of Programmable Device, Circuits and Systems*, Oct’2009.
13. **Thiruvnkadam. S.**, Nirmalkumar. A. & Sakthivel. A., “Optimal Reconfiguration Algorithm for Radial Distribution System Feasible under Normal and Abnormal Conditions”, *International Journal of Applied Engineering Research*, vol. 4, no. 9, pp. 1607-1618, 2009.
14. **Thiruvnkadam. S.**, Nirmalkumar. A. & Sakthivel. A., “Energy Management of Large Distribution Network with Plant Growth Simulation Algorithm and Heuristic Fuzzy”, *International Journal of Electronics and Electrical Engineering*, vol. 4, no. 2, pp. 98-107, 2009.

15. **Thiruvenkadam. S.**, Nirmalkumar. A. & Sakthivel. A., “Distribution Feeder Energy Conservation using hybrid Neuro-Fuzzy”, Journal of Electrical Engineering, vol. 1, no. 3, pp. 46-52, 2008.
16. **Thiruvenkadam. S.**, Nirmalkumar. A. & Sakthivel. A., “MVC architecture based Neuro-Fuzzy approach for distribution feeder reconfiguration for Loss reduction and load balancing”, IEEE Power & Energy Magazine, Official issue, 2008.

Academic and Administrative Activities

- Acting as Head of the Department for the past two years since May 2012
- HP Organization Administrator
- Contributed in terms of regular academic activities of the department
(Produced almost all the time more than 90% result and three occasions 100% result)
(Students feedback almost all the time more than 3.5/5 and 85/100)
- Involved in students counseling as HOD, Academic Co-ordinator, Programme Co-ordinator, Faculty Advisor and Mentor.
- Handled electrical and non-electrical subjects to UG/PG students

<u>UG courses</u>	<u>PG courses</u>
Power System Analysis	FACTS
Power System Operation and Control	Power Quality Management
Basic Electrical Engineering	Power System Economics
Electric Circuit Theory	Project Management
Control System	Internetworking Technology
Integrated Circuits	Design and Analysis of Algorithms
Data Structures and Algorithms	Software Project Management
OOPS	Embedded Systems

- Development of new laboratories
(Power System Simulation Lab and Control System Lab)
- Research inputs to students and colleagues
- Preparation of computer based tutorials
(Online tutorial for the courses, ref. www.drmcet.ac.in)
- Participated in autonomous curriculum formulation and revision
- In-charges of various laboratories (Electronic Circuits, Control System and PSS Lab)
- Department Co-ordinator for NBA, NAAC, AICTE, Anna University and Autonomous.
- Involved in preparing proposals for project, seminar, workshop and FDP grants

Funding Agency	Head	Year of	Sanctioned	Status
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		submission	Amount In Rs.	
AICTE	Research Promotion Scheme (RPS)	2013	8.6 Lakhs	Sanctioned and in progress
AICTE	Seminar Grant	2013	2.0 Lakhs	Sanctioned and Utilized
AICTE	FDP	2009	3.0 Lakhs	Sanctioned and Utilized
AICTE	Travel Grant	2008	1.1 Lakhs	Sanctioned and utilized

Contribution in Department Development:

S.No	Description	Academic Year	Branch / Semester	Remarks, if any
1.	Head of the Department	2012 onwards	IT	-
2.	Academic Coordinator	2011 onwards	EEE/1 st year	-
3.	Program Coordinator	2008-09(Odd) 2010-2011	EEE/5 th sem EEE/2 nd year (B)	-
4.	Faculty Advisor	2005-06(Odd) 2005-06(Even) 2007-08(Odd) 2007-08(Even)	EEE/2 nd sem EEE/8 th sem EEE/2 nd sem EEE/4 th sem	-
5.	Mentor	2010-2011	EEE/2 nd year	-
6.	Department CPG Co-ordinator/ Placement Co-ordinator	2009-2011	EEE	Conducted technical tests and accompanied students during off-campus
7.	Laboratory In-charge	2005-06 2006-07 2007-Till date	Electronic Circuits Lab Control System Lab	-
8.	Time-table In-charge	2005-06 2006-07 2007-08 2008-09	EEE EEE EEE EEE	-
9.	Dept. Library In-charge	2011 onwards	-	-
10.	Dept ISO co-ordinator	2008-2009	EEE	Organized audit
11.	Dept. NBA co-ordinator	2006-2007 2008-2009	EEE	Preparation of documents

		2011-2012		
12.	Dept. NAAC co-ordinator	2011-2012	EEE	Preparation of documents
13.	Dept. Association In-charge	2010-2011	EEE	Organized guest lectures
14.	Organising college functions	-	-	Committee member all institution functions
15.	Other contributions	2010-11	EEE/8 th Sem	Industrial visit to Mettur power plant
		2010-11	EEE/7 th Sem	Accompanied students for L&T training
		2006-07	EEE/ 8 th Sem	Industrial visit to Wind power plant.
		2005-06	-	Accompanied the Guest during One day workshop on “MEMS and SMART Sensor”
		2005-06	EEE/7 th Sem	One day Industrial visit to Palakkad.
		2005-06	NPT Campus	PAS/ Telephone maintenance in-charge

Major Achievements

Programme Name	Organized / Conducted / Participated	Venue	Period
Received the best faculty award from PACET	-	-	2014
Identified as a researcher in power system by “Marquis Who is Who in the World, USA” edition 2013 and edition 2014	-	-	2014
Obtained the supervisor recognition for Ph.D./ M.S. programmes of Anna University, Chennai in Faculty of Electrical Engineering	-	-	2014
All India Council for Technical Education (AICTE) sponsored an amount of Rs. 8,60,000/- for the project titled “Web based Power System Energy Management” under RPS	-	PACET	2014
Participated in the conference “2008 IEEE PES Transmission and Distribution conference and exposition”, AICTE	IEEE	Chicago,	April 21-

sponsored an amount of Rs. 1,10,000/- under Travel Grants	organized	USA	24, 2008
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Role in Eminent Academic and Administrative Boards

(i) Membership in boards

Reviewer of the Journals

- a. Australian Journal of Electrical and Electronics Engineering
- b. International Journal of Electrical Sciences and Technology
- c. Journal of Electrical and Electronics Engineering Research
- d. Technical Reviewer for ICICI' 02, (IEEE sponsored international conference)

(ii) Examinership

- a. Anna University of Technology, Coimbatore
- b. Bannari Amman Institute of Technology, Sathyamangalam
- c. Karpagam College of Engineering, Coimbatore
- d. K.S.R. College of Engineering, Thiruchengodu

Professional Affiliations

Member, *Institute of Electrical and Electronics Engineers, Inc. (IEEE)*
Life Member, *Indian Society for Technical Education (ISTE)*

Personal Details

Date of Birth : 18th June, 1978
Nationality : Indian
Marital Status : Married
Languages Known : Tamil, Telugu and English
Residence/Communication Address : 5/30-2, Kandasamy puram, Udumalai road, Pollachi-642 003.

References

Dr. L. Lakshminarasimman

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