

Profile of Dr. I. Thangaraju

Dr. I. Thangaraju, M.E, Ph.D.,

M.I.S.T.E., M.I.E.(I), M.I.E.E.E.,

Assistant Professor,

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1. Name : Dr. I. Thangaraju
 2. Date and place of Birth : 3rd January 1978, Salem, Tamilnadu, India.
 3. Nationality : Indian
 4. Religion : Hindu
 5. Educational Qualifications:

Degree/ Class	Year	Specialization	University/ Board	Institute	Grade/ Class
Ph.D	2013	Electrical Engineering	Anna University, Chennai	Anna University, Chennai	NA
M.E	2005	Power Electronics and Drives	Anna University, Chennai	Government College of Engineering, Salem	75.05 % I Class with Distinction
B.E	2000	Electrical and Electronics Engg.	University of Madras	Government College of Engineering, Bargur	69.89 % I Class
H.Sc	1996	M-P-C & Biology	State Board Tamil Nadu	SMHS School, Tharamangalam	79.83 % I Class
SSLC	1994	NA	State Board Tamil Nadu	Govt. Higher Sec. school, Tholasampatty	83.60 % I Class

6. Professional Experience:

College /Institution/ Company	Designation	From	To	Experience	
				Years	Months
Government College of Engineering, Bargur.	Assistant Professor	29-04-2013	Till Date	8	0
Tamilnadu Electricity Board (TANGEDCO), BPH 1, Metturdam.	Assistant Engineer	29-12-2007	27-04-2013	5	4
Muthayammal Engineering College, Rasipuram.	Assistant Professor	05-10-2005	26-12-2007	2	3
Muthayammal Engineering College, Rasipuram.	Lecturer	03-05-2001	05-10-2005	4	5
Government College of Engineering, Bargur.	Part - Time Lecturer	01-06-2000	30-04-2001	-	11

Teaching Experience : 15 Years & 07 Months (as on March 2021)

Industrial Experience : 5 Years & 4 Months

Total Experience : 20 Years & 11 Months

7. Research Publications:

- ❖ International Journals : 10
- ❖ National Conferences : 01
- ❖ International Conferences : 06

8. Workshops/Seminar/Symposium organized:

- ❖ Workshops : 05
- ❖ Guest Lecture : 15
- ❖ Symposium : 07
- ❖ Certificate/Value added Courses : 07
- ❖ Alumni Interaction : 03

9. Workshops/Seminar/Symposium participated:

- ❖ Workshops : 12
- ❖ Seminar/FDP/Training Program : 35

10. Workshops/Seminar/Guest Lecture Delivered (As Resource Person):

- ❖ Workshops : 05
- ❖ Guest Lecturer : 45
- ❖ Seminar/FDP/Symposium/Value Added : 25

11. Professional Bodies Membership:

- ❖ Member in IEEE and Excom. Member of IEEE Product Safety Engineering Society (PSES)
- ❖ Member in The Institution of Engineers (India)
- ❖ Life Member of ISTE

12. Journal Reviewer

- ❖ Journal of Taylor & Francis
- ❖ Journal of Circuits and Systems, Scientific Research Publishing
- ❖ JEEER(International Journal of Applied Theoretical Science and Technology)

13. Programme Coordinator

- ❖ IEEE Student Branch counselor
- ❖ Co-ordinated Postgraduate and Undergraduate project works
- ❖ Co-ordinated many programme like technical paper presentation, GATE awareness programme and hardware contest etc.

14. Subject Expertise:

- ❖ Power Electronics
- ❖ Fuzzy Logic and Neural Networks
- ❖ Circuits and Electromagnetic Fields
- ❖ Control systems
- ❖ Electrical Machines
- ❖ Electronic Devices and Circuits
- ❖ Linear integrated Circuits
- ❖ Transmission and Distribution
- ❖ Solid State Drives

LIST OF PUBLICATIONS

JOURNALS

1. **Thangaraju, I.** and Madheswaran, M. “Design and Estimation of Double Side Fuzzy Controlled Wound Rotor Induction Motor”, Journal of Applied Sciences Research (JASR), ISSN 1819-544X, Vol.8, No6, pp.2881-2887, 2012.
2. **Thangaraju, I.** and Madheswaran, M. “A Novel Dual Side Control Mechanism for WRIM using Intelligent Controllers”, European Journal of Scientific Research (EJSR), ISSN 1450-216X, Vol.78, No.1, pp.107-118, 2012.
3. **Thangaraju, I.** and Madheswaran,M. “Performance Analysis of Double Inverter Fed Wound Rotor Induction Motor using Fuzzy and PI controller”, International Journal of Computer Applications (IJCA), Vol. 1, No. 20, pp. 80-89, 2010.
4. Muruganandam, M, **Thangaraju I** and Madheswaran, M. “Simulation and Implementation of an Embedded Hybrid Fuzzy Trained Artificial Neural Network Controller for Different DC Motor” International Journal of Engineering and Technology, ISSN: 0975-4024 , Vol. 6, Issue 1, pp. 315-332 February 2014.
5. **Thangaraju, I.** Muruganandam, M. and Madheswaran, M. “Performance Analysis and Experimental Verification of Buck Converter fed DC Series Motor using Hybrid Intelligent Controller with Stability Analysis and Parameter Variations”, Journal of Electrical Engineering & Technology (JEET), ISSN(Print): 1975-0102 ISSN(Online) 2093-7423, Vol. 10, No. 2, pp. 518-528, March 2015.
6. **I. Thangaraju,** M. Muruganandam and C. Nagarajan “ Implementation of Pid Trained Artificial Neural Network Controller for Different DC Motor Drive”, Middle East Journal of Scientific Research (MEJSR), ISSN(Print): 1990-9233, Vol. 23, No. 4, pp. 606-618, 2015.
7. R. Sudha, **I.Thangaraju,** D. Murali and K. Govardhan, “Modified Invasive Weed Optimization of Phasor Measurement Units”, International Journal of Applied Engineering Research (IJAER), ISSN 0973-4562, Vol. 10, No. 9, pp. 9120-9123, 2015.
8. **I. Thangaraju,** M. Muruganandam and C. Nagarajan “Design Simulation and Implementation of Fuzzy Tuned Artificial Neural Network Controller for Chopper Fed

DC Series Motor Using a Low Cost Microcontroller”, Middle East Journal of Scientific Research (MEJSR), ISSN(Print): 1990-9233, Vol. 23, No. 6, pp. 1091-1104, 2015.

9. **I Thangaraju**, M Muruganandam and M Madheswaran “Implementation of fuzzy tuned artificial neural network controller for chopper fed DC series motor using a low cost microcontroller”, ARPN Journal of Engineering and Applied Sciences, ISSN 1819-6608, Vol. 10, Issue 12, pp. 5083-5093, July 2015.
10. R.Visali, **Dr.I.Thangaraju** and Dr.Nishat Kanvel “Improved Voltage Stability for High Voltage DC-DC Converter With Soft Switching and Voltage Clamping For PV Systems” Studies in Indian Place Names (UGC Care Journal) ISSN: 2394-3114 Vol-40-Issue-74-March -2020

CONFERENCES

1. **Thangaraju,I.** and M.Madheswaran, “ Performance Analysis of Doubly Fed Wound Rotor Induction Motor using Fuzzy Controller” has been presented in the International Multi Conference on Automation, Computing, Communication, Control and Management (MultiCon’12) at Muthayammal Engineering College, Rasipuram, on 20th and 21st April, 2012.
2. **Thangaraju,I.** and Madheswaran,M. “Design and Analysis of Double Side Fuzzy Controlled Wound Rotor Induction Motor”, International Conference on Inter Disciplinary Research, Thailand, 1st June 2012.
3. **Thangaraju,I.** and Madheswaran,M. “Design and Analysis of DFWRIM by Modified Fuzzy Controller and PID controller”, has been presented in DSCICT’11, a IEEE / EDS International Conference organized by Muthayammal Engineering College, Rasipuram. Vol.no.1, 26th Feb. 2011
4. **Thangaraju, I.** “Dynamic Braking of Wound Rotor Induction Motor”, has been presented in National Conference organized by Vivekananda College of Engineering for Women, Namakkal. Vol.no.1, Feb. 2005.
5. Sudha R, Govardhan K, **Thangaraju I** “A Novel Approach for Detecting Winding Faults using SFRA Measurements” IRAJ Research Forum International Conference on Industrial Electrical and Electronics Engineering(ICIEEE), Darjeeling, India, pp. 1-6, 14th June-2014. ISBN: 978-93-82702-28-5.

6. Sudha R, Govardhan K and **Thangaraju I** “Analysis of Power Transformer Insulation Design using FEM” International Conference on Emerging Trends in Engineering and Technology held at Kodaikanal on 28th December 2014.
7. R.Visali, **Dr.I.Thangaraju** and Dr.Nishat Kanvel “Improved Voltage Stability for High Voltage DC-DC Converter With Soft Switching and Voltage Clamping For PV Systems” International Conference on Emerging Trends in Engineering, Science and Technology (ICEST-20) organized by Institute for Research and Academic Journals, Coimbatore, India, pp-48-56, 14th March, 2020

LIST OF PROGRAMMES ORGANISED

Sl.No	Name of the Programme and Title	From	To	Place
1	TEQIP Sponsored One Week Faculty Development Programme(FDP) on "Energy Auditing ,Accounting and Conservation of Energy"	19/06/2013	25/06/2013	Dept. of EEE, GCE-Bargur
2	TEQIP Sponsored One Week Faculty Development Programme(FDP) on "Industrial Automation using PLC,SCADA and DCS"	24/7/2013	30/7/2013	Dept. of EEE, GCE-Bargur,
3	TEQIP Sponsored Three Day Student Workshop on" Study of Solid State Switches and Power Electronic Converters Design"	13/9/2013	15/9/2013	Dept. of EEE, GCE-Bargur
4	TEQIP II sponsored Two Days Staff Development Program on "Creating Awareness of Tamilnadu Solar Power Policy"	22/10/13	23/10/13	Dept. of EEE, GCE-Bargur
5	TEQIP Sponsored One Week Faculty Development Programme(FDP) on "Power Electronics in Future Power Systems"	11/11/2013	17/11/2013	Dept. of EEE, GCE-Bargur
6	TEQIP Sponsored One Week Faculty Development Programme(FDP) on "Recent Matlab Techniques to Engineering Applications"	12/05/2014	18/05/2014	Dept. of EEE, GCE-Bargur

7	TEQIP Sponsored One Week Faculty Development Programme(FDP) on "Green Energy for Sustainable Development and Environment"	19/05/2014	25/05/2014	Dept. of EEE, GCE-Bargur
8	TEQIP Sponsored Five Days Student Workshop on " Solar photovoltaic System Design, Installation and Maintanance"	30/07/2014	03/08/2014	Dept. of EEE, GCE-Bargur
9	TEQIP Sponsored Three Day Student Workshop on " Electron Devices and Circuits"	21/8/2013	23/8/2013	Dept. of EEE, GCE-Bargur

LIST OF PROGRAMS PARTICIPATED

Sl.No	Name of the Programme	From	To	Place
1	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Controllers for Management of Renewable Energy Sources"	14/05/2013	20/05/2013	Dept. of EEE, GCE-Bargur
2	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Pedagogy and Professional Communication"	22/05/2013	28/05/2013	Dept. of English, Government College of Technology, Coimbatore
3	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Energy Auditing, Accounting and Conservation of Energy"	19/06/2013	25/06/2013	Dept. of EEE, GCE-Bargur
4	TEQIP Sponsored One Day Workshop on "NBA Process and Preparation"	08.07.2013		Dept. of CSE, GCE-Bargur
5	Four Days Residential Program on "Academic Leadership Program" by Smith and Shruth Foundation,	09/07/2013	12/07/2013	Hotel Sai Vishram, Bangalore
6	TEQIP Sponsored One Week Faculty Development Programme	16/07/2013	22/07/2013	Dept. of Mechanical Engineering,

	(FDP) on "Reverse Engineering and Rapid Prototyping"			GCE-Bargur
7	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Industrial Automation using PLC,SCADA and DCS"	24/07/2013	30/07/2013	Dept. of EEE, GCE-Bargur
8	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Intelligent Controllers for Electrical Systems"	21/08/2013	27/08/2013.	Dept. of EEE, GCE-Bargur
9	One day national level Technical Symposium	30.08.2013		Kavery College of Engineering,salem
10	One Week Training Programme (FDP) on "Industrial Automation PLC/Motors/Drivers/Sensors/MMI/SCADA - The Real Time Practical Approach" Residential Program	02/09/2013	07/09/2013	Organized by Silicon Micro Systems, Bangalore at Hotel The Solitaire, Bangalore
11	Two Days Training Programme on "Orientation of Engineering Faculty towards Sponsored Research"	04/10/2013	05/10/2013	Organized by Engineering Staff College of India, Hyderabad
12	AICTE Sponsored Five Days Short Term Course on "Recent Trends in Condition Monitoring of Power Apparatus and Systems"	14/10/2013	18/10/2013.	Organized by Dept. of EEE, IIT Madras
13	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Power Electronics in Future Power Systems"	11/11/2013	17/11/2013	Dept. of EEE, GCE-Bargur
14	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Recent Advances in Optimization Techniques"	18/11/2013	24/11/2013	Dept. of Mechanical Engineering, GCE-Bargur
15	Five Days Short Term Training Programme on "Power System	26/11/2013	30/11/2013	Organized by Engineering Staff

	Protection Relays and Application of Numerical Relay Technology”			College of India, Hyderabad
16	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Optimizing Techniques in Electrical Power System"	04/12/2013	10/12/2013	Dept. of EEE, GCE-Bargur
17	Residential training on "Transformational Leadership & Change management"	18/12/2013	22/12/2013	Organized by Jaipur Productivity Centre at Udaipur
18	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Solid Waste Management, Handling Rules and Recycling"	23/01/2014	29/01/2014	Dept. of Chemistry, GCE-Bargur
19	ISTE-WPLP National Workshop on “Effective Teaching & Learning pedagogy”	19/02/2014	21/02/2014	Hotel Le Meridien, New Delhi
20	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Nanotechnology in Electrical Power Systems and Sensor Applications"	28/04/2014	04/05/2014	Dept. of EEE, GCE-Bargur
21	Residential Workshop on “Intellectual Property Rights”	05/05/2014	07/05/2014	Organized by SEED at Hotel Clouds Valley, Munnar, Kerala
22	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Recent Matlab Techniques to Engineering Applications"	12/05/2014	18/05/2014	Dept. of EEE, GCE-Bargur
23	TEQIP Sponsored One Week Faculty Development Programme (FDP) on "Green Energy for Sustainable Development and Environment"	19/05/2014	25/05/2014	Dept. of EEE, GCE-Bargur
24	TEQIP Sponsored One Week Faculty Development Programme	26/05/2014	01/06/2014	Dept. of EEE, GCE-Bargur

	(FDP) on "Challenges and Opportunities in Indian Power Scenario"			
25	CEP Short Term Course on "Microcontrollers & Embedded Systems including PIC"	30/06/2014	05/07/2014	IIT - Kharagpur
26	CEP Short Term Course on "Renewable Energy for Rural Areas"	14/07/2014	16/07/2014	IIT - Bombay
27	Workshop on "Research Methodology"	09.02.2008	09.02.2008	Muthayammal Engineering College, Rasipuram
28	Workshop on "Recent trends in Digital and Embedded Control of Power Converter and Drives"	17.09.2009	19.09.2009	Mepco Schlenk Engg Colleg, Sivakasi

S.No	Date	Programme Title	Organization	FDP/STP/Workshop/Seminar	No.of Days
29	28.10.2014 to 30.10.2014	Earthing Practices in Electrical Installations	ESCI-Hyderabad	Short Term Course	3
30	10.11.2014 to 16.11.2014	Recent Trends in Power Converter	GCE, Bargur	TEQIP-FDP	7
31	17.11.2014 to 23.11.2014	Entrepreneurship	GCE, Bargur	TEQIP-FDP	7
32	01.12.2014 to 05.12.2014	Scientific Computation and Documentation using Open Source Softwares	NIT, Durgapur, West Bengal	TEQIP-Short Term Course	5
33	28.01.2015	Testing and Evaluation of DLMS Compliant Energy Meters	CPRI, Bangalore	Workshop	1
34	05.03.2015 to 06.03.2015	Modified Invasive Weed Optimization of Phasor Measurement Units (Conference Presentation)	Muthayammal College of Engineering, Namakkal	International Conference	2
35	10.09.2015 to 12.09.2015	Sponsored Research Programs	TN state center IE(I), Chennai	Workshop	3
36	18.05.2016 to 24.05.2016	Renewable Energy Sources- Challenges and Opportunities	GCE, Bargur	TEQIP-FDP	7
37	27.11.2016 to 11.12.2016	Engineering Entrepreneurship	IRTT, Erode.	AICTE- Two-Week FDP	15
38	22.01.2017	NBA-SAR Filling and	ICG-Goa	Short Term	3

	to 24.01.2017	Preparedness for Assessment	conducted by ESCI	Course	
39	02.05.2017 to 15.05.2017	Recent Trends in SCADA, Smart Grid and Industrial Automation	CIT, Coimbatore	AICTE - Two- Week QIP Short- term course	14

S.No	Date	Programme Title	Organization	FDP/STP/Workshop/Seminar	No.of Days
40	20.06.2018 to 21.06.2018	Creation of Interactive Video Lectures & Use of ICT Tools in Teaching	GCE, Bargur	TEQIP- Workshop	2
41	28.06.2018 to 30.06.2018	Outcome Based Education and NBA Accreditation	GCE, Bargur	TEQIP- Workshop	3
42	25.02.2019 to 10.03.2019	Effective Implementation of Outcome Based Education	Thiagarajar College of Engineering, Madurai	AICTE - Two-Week QIP Short-term course	14
43	13.06.2019 to 19.06.2019	Recent Developments in Energy Storage Technology	GCE, Bargur	TEQIP- FDP	7
44	01.07.2019 to 07.07.2019	Recent Trends in BIO and NANO composite Materials	GCE, Bargur	TEQIP- FDP	7
45	10.07.2019 to 16.07.2019	Solar Photovoltaic System Design and Applications	GCE, Bargur	TEQIP- FDP	7
46	26.07.2019 to 27.07.2019	National Conference on Recent Innovation in Welding and Surface Engineering (RIWASE-2019)	GCE, Bargur	TEQIP- National Conference – 1-Paper Presented and Participation	2
47	01.08.2019 to 07.08.2019	Recent Innovations and Research Trends in Nano Material and Surface Coating	GCE, Bargur	TEQIP- FDP	7
48	19.08.2019 to 01.09.2019	Synthesis and Characterization of Nanomaterials: Hands-on Training	GCE, Bargur	TEQIP- FDP	14
49	09.01.2020 to	International Conference on Intelligent Systems and Control	Karpagam College of	CSIR- International Conference – 2-	2

	10.01.2020	(ISCO 2020)	Engineering, Coimbatore	Paper Presented	
50	17.02.2020 to 19.02.2020	Train the Trainers on Examination Reforms	BVB College of Engg., Hubballi, Karnataka	NPIU-TEQIP- Workshop	3
51	14.03.2020	International Conference on Emerging Trends in Engineering, Science and Technology - (ICEST-20)	Coimbatore, India	IRAJ- International Conference – 1- Paper Presented	1
52	06.04.2020 to 22.04.2020	Digital Transformation in Teaching Learning Process	IIT, Bombay	SWAYAM Online Course - NPIU- TEQIP	Two Week
53	23.04.2020 to 24.04.2020	Design, Develop and Deliver Online Courses through MOODLE Platform	DOE- SPIU-TN & CIT, Coimbatore Jointly Organized	TEQIP- FDP (Online Mode)	2
54	18.05.2020 to 22.05.202	Role of IoT, Embedded, Electric Vehicle & Power Electronic Converters for Smart World	St.Joseph's College of Engineering, Chennai	IEEE Student Branch Chapter – FDP (Online)	5
55	06.07.2020 to 10.07.2020	Machine Learning	GCT, Coimbatore	TEQIP- FDP (Online)	5
56	20.07.2020 to 25.07.2020	Smart Grid - Monitoring, Protection and Control	RMK College of Engineering and Technology, Chennai	AICTE - Short- Term Training Programme (Online)	6

**Training Programme
Attended in TNEB**

1. Operation and Maintenance of Transmission and Distribution at T&D Training and Development Institute / TNEB, Madurai.
2. Undergone Induction Training at Thermal Training Institute, Chennai.
3. Undergone Induction Training at Staff Training College / TNEB, Chennai.

4. Undergone Induction Training at Hydro Training Institute, K.K Medu.
5. Disaster Management in Power Stations at PUSHEP, Ooty.
6. RMU of Hydro Power Stations at HTI / TNEB.

Responsibilities held in Power Plant

Day to day operation & Maintenance of 15MW X 2 Generators, 17.5MVA Power Transformers, 110 KV Grid-Connected Switch Yard and various Electrical & Instrumentation equipments such as Switch Boards, Switch Gears, Motors, DG sets, Lighting and Batteries.

-Maintenance includes Break down, Preventive, Predictive, Proactive maintenance and Trouble shooting.

-Supervision of technicians -Technical training of site personnel.

CONSULTANCY PROJECTS HANDLED

Consultancy work	Industry	Year
Harmonic Measurement	M/S Rajinikanth Foundation, Coimbatore.	2013

OUT SIDE INTERACTION / EXPERT TALK

(Few of them)

1. Delivered a lecture on “Introduction to OBE & Blooms Taxonomy and Writing Course Outcome” in TEQIP-III Sponsored One Day Workshop on “Outcome Based Education” at Bineswar Brahma Engineering College, Kokrajhar, Assam on 16.05.2019.
2. Delivered a Expert Lectures on “Control System” for III year EEE students at Bineswar Brahma Engineering College, Kokrajhar, Assam from 05-09-2018 to 09-09-2018.

3. Acted as Chairperson in the “International Conference on Recent Innovation in Engineering, Technology and Management (ICRIETM-2019)” organized by Nandha Engineering College, Erode, India on 22nd March 2019.
4. Delivered a lecture in DST (SERB) Sponsored Two Day National Level Seminar on “Research Trends on Smart waste Management System for Batteries” at Kongu Engineering College, Erode on 11.01.2019.
5. Delivered a lecture on “Electrostatics” in Anna University approved One Week Faculty Development Training Programme (FDTP) on “EE6302-Electromagnetic Theory” at Velalar College of Engineering and Technology, Erode on 10.06.2015.
6. Acted as Chairperson in the “Second National Conference on Recent Trends in Communication, Control, Signal & Image Processing Applications (RTCCSIPA’15)” organized by Mahendra College of Engineering, Mahendra Salem Campus, Minnampalli, Salem, India on 7th April 2015.
7. Delivered Keynote Address on “Renewable Energy System” and acted as Chairperson for the Technical Session in the “International Conference on Electrical Electronics and Computer Engineering (ICEECE-2015)” organized by Vivekanandha College of Engineering for Women, Tiruchengode, India on 12th March 2015.
8. Delivered Keynote Address and acted as Chairperson in the “2nd International Conference on Engineering Technology and Science (ICETS’15)” organized by Muthayammal College of Engineering, Rasipuram, India on 6th March 2015.
9. Delivered Keynote Address on “Indian Power Scenario” in the Technical Symposium held at Hosur Institute of Technology and Science, Beerpalli, Krishnagiri on 24th September 2014.
10. Delivered a lecture on “Special ICs” in Anna University Sponsored One Week Faculty Development Programme on “EE6303-Linear Integrated Circuits & Applications” at Er Perumal Manimekalai College of Engineering, Hosur on 28.06.2014.
11. Acted as Jury for paper presentation in “Two-Day National Level Students Technical Symposium & Project Design Contest ERNESTO’14” organized by Vivekanandha College of Engineering for Women, Tiruchengode, India on 6th March 2014.
12. Delivered a Guest Lecture on “Control System” for third year EEE and ECE students at Er Perumal Manimekalai College of Engineering, Hosur, on 01-03-2014.

13. Delivered Keynote Address and acted as Chairperson in the “International Conference on Engineering Technology and Science (ICETS’14)” organized by Muthayammal College of Engineering, Rasipuram, India on 10th February 2014.
14. Delivered a Guest Lecture on “Digital Signal Processing” at Ganadipathy Tulsi’s Jain Engineering College, Vellore on 17.08.2013.
15. Chief guest for the Inaugural of EIE Association activities for the year 2012-2013 and Given Guest Lecture on “Power Plant Instrumentation” at Vivekanandha College of Technology for Women, Tiruchengode, India on 02.02.2013.
16. Chief guest & delivered the inaugural address in the National Level Technical Symposium ENERGIA’12 held at Sasurie College of Engineering, Tirupur on 18th February 2012.
17. Delivered Guest Lectures in various Engineering and polytechnic colleges
18. Question paper setter for various Deemed Universities and Autonomous Engineering colleges in Tamilnadu and Andhra Pradesh.
19. Member of Advisory Committee for various National and International Conferences.

S.No	Date	Programme Title	Organization	FDP/STP/Workshop/Seminar/ Guest lecture Symposium/Conference	Role
1	11.03.2011	Non-conventional Energy Sources and Its Applications	The Kavery Engineering College, Salem	CSIR sponsored national level seminar	Resource Person
2	01.03.2013 to 07.03.2013	Control System	Gnanamani College of Engineering, Namakkal	Guest lecture	Resource Person
3	22.06.2015	Special Electrical Machines	Muthayammal College of Engineering, Rasipuram	Anna University - FDTP	Chief Guest & Resource Person
4	02.10.2015	Guest Lecture on Microprocessor and Microcontroller	M.Kumarasamy College of Engineering	Guest Lecture on Microprocessor and Microcontroller	Resource Person
5	22.03.2016 to 23.03.2016	International Conference on Electrical, Electronics and Computer Engineering	Vivekanandha College of Engineering for Women, Tiruchengode	International Conference	Special Guest
6	09.05.2016	Research Perspective on Power Quality Monitoring and Mitigation in	Nandha Engineering College, Erode	INSA Sponsored National Level Seminar	Resource Person

		Future Smart Grid			
7	25.06.2016	Microcontroller Based System Design in Addressing Modes, Simple operations , PIC MC Interrupts, Loop Time Subroutine, Timer Programming, front panel I/O and Soft Keys	Sri Sai Ram Institute of Technology, Chennai	Anna University Approved FDTP Entitled “EE6008 - Microcontroller Based System Design	Resource Person
8	20.07.2016	Energy, Economic and Environmental issue of Power Plant	Government College of Engineering, Bargur	TEQIP II Sponsored STP on Recent Trends in Renewable Energy	Resource Person
9	23.07.2016	Microcontroller Based Safety Automation System Design	Er Perumal Manimekalai College of Engineering, Hosur	IEEE Student chapter	Resource Person
10	30.07.2016	Network Analysis and Synthesis for Safety Communication	Vivekanandha College of Engineering for Women, Tiruchengode	IEEE Sponsered Technical Talk in Association with IEEE Product Safety Engineering Society	Resource Person
11	19.12.2016	Electrical Machines- I	Vivekanandha College of Engineering for Women, Tiruchengode	Anna University Approved FDP	Resource Person
12	31.01.2017	Energy Efficiency In Power Generation And Industrial Drives	Thiagarajar Polytechnic College, Salem	All India Semior on Energy Efficient Technologies in Electrical Systems	Resource Person
13	06.03.2017	Power quality Analysis for Industrial Drives	Government College of Engineering, Salem	TEQIP sponsored FDP on “ Industrial Drives Automation and Intelligent Control	Resource Person
14	07.04.2017	International Conference RIETMA2017	Priyadarshini Engineering College – Vaniyambadi	International Conference RIETMA2017	Session Chair and Key Note Speaker
15	22.06.2017	Electromagnetic Theory	KIT-Kalaingar Karunanidhi Institute of Technology, Coimbatore	Anna University Approved FDTP	Resource Person
16	19.07.2017	Power electronics	SELVAM College of Technology, Namakkal	Spark Association Induction Program and Guest Lecture	Chief Guest and Resource Person
17	09.09.2017	Control System	Sengunthar College of	IEEE Sponsered	Resource

		Design for Safety Automation	Engineering, Tiruchengode	Technical Talk in Association with IEEE Product Safety Engineering Society (Madras Chapter)	Person
18	23.11.2017	Computational Energy Management in Smart Grid. Topic Handled: Distributed And Autonomous Control Grid	Vivekanandha College of Engineering for Women, Tiruchengode	AICTE Sponsored Faculty Development Program	Key Note Speaker
19	29.12.2017	Impact of Energy Storage	AVS Engineering College, salem	CSIR Sponsored National Level Workshop on Optimization of Energy Storage Technologies for Fuel Cells	Technical Lecture
20	02.03.2018	Recent Trends in Transmission and Distribution	AVS Engineering College, Salem	Guest Lecture on Recent Trends in Transmission and Distribution	Resource Person
21	10.07.2018	Industry 4.0 Using IIOT	Mahendra Engineering College, Namakkal	National Level Technical Sysposium	Resource Person
22	05.09.2018 to 09.09.2018	Control system-I	Bineswar Brahma Engineering College, Kokrajhar, Assam	TEQIP-III Sponsored STP	Resource Person
23	17.10.2018	Power system analysis	CK College of Engineering and Technology	Guest lecture	Resource Person
24	15.05.2019	Setting up of Electrical Machines Laboratory	Bineswar Brahma Engineering College, Kokrajhar, Assam	Commissioning and Installation of Laboratory	Resource Person
25	03.09.2019	Evolution and Operation of National Power Grid	Bharathiyar Institute of Engineering for Women	Work Shop	Resource Person
26	07.11.2019 to 08.11.2019	Role of Artificial Intelligence in Energy Sectors: Energy Prediction, Grid Balancing and Future of Energy	Mahendra Engineering College, Namakkal	National seminar sponsored by council of scientific and industrial research	Resource Person
27	30.05.2020	Recent trends in Energy Storage System	Erode Sengunthar Engineering College	Webinar Series	Resource Person
28	02.11.2020 to 07.11.2020	“AI – Based Novel Power Distribution and Correction	Sengunthar College of Engineering, Tiruchengode	AICTE Sponsored Online Short-Term Training Programme	Resource Person

		Technology”		(STTP)	
29	21.12.2020 to 27.12.2020 Series I	“Solar Energy Conversion Systems: Technologies, Design And Applications” Topic Handled: Energy Storage Systems and Technologies	Velalar College of Engineering and Technology, Erode	AICTE Sponsored Online Short-Term Training Programme (STTP)	Resource Person
30	19.01.2021 Series II	“Solar Energy Conversion Systems: Technologies, Design and Applications” Topic handled: Harmonic Mitigation in Solar Energy Conversion System	Velalar College of Engineering and Technology, Erode	AICTE Sponsored Online Short-Term Training Programme (STTP)	Resource Person
31	25.02.2021	AI for Energy Storage Systems and Management	Mahendra Engineering College, Namakkal	ATAL FDP	Resource Person
32	04.03.2021	Research Opportunities in Electrical and Electronics Engineering	MVJ College of Engineering, Bangalore	Webinar	Resource Person

S.no	Name of the institution /Department	Role	period
1.	Department of Electrical and Electronics Engineering Adiyamaan College of Engineering, Hosur	Academic Council Nominee for BOS	2014-2016
2.	Department of Electrical and Electronics Engineering, Vivekanandha College of Engineering for Women, Tiruchengode	Academic Council Nominee for BOS	2015-2017
3.	Department of Electronics and Instrumentation Engineering, Mahendra Engineering College, Namakkal	University Nominee for BOS	2017-2019
4.	Department of Electrical and Electronics Engineering Adiyamaan College of Engineering, Hosur	Academic Council Nominee for BOS	2020-2022
5.	Arunai Engineering College,	State Government	2018

	Thiruvannamalai for a period of 2 years.	Nominee to the Board of Governors	
6.	KRS College of Engineering, Thiruvannamalai for a period of 2 years.	State Government Nominee to the Board of Governors	2018