

BIO DATA



Name : Mr. E. Thangam
Designation : Assistant Professor (Senior Grade)
Department : Electrical and Electronics Engineering
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Google Scholar link : https://scholar.google.co.in/citations?hl=en&user=2y3_YMMAAAAJ

Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=58793568000>

ORCID Link: <http://www.orcid.org/0000-0002-4942-3931>

1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.E.	Electrical and Electronics Engineering	Noorul Islam College of Engineering, Thuckalay Anna University, Chennai – 600 025	2009
M.E	Power Systems Engineering	Regional Centre of Anna University, Coimbatore Anna University, Chennai – 600 025	2013
Ph.D	Generation Expansion Planning	Anna University, Chennai – 600 025	Pursuing

2. Professional/ Industry Experience

S.No	Designation	Institution/ Organization	Period	
			From	To
1	Assistant Professor (Senior Grade) EEE	Ramco Institute of Technology, Rajapalayam	01.06.2018	Till date
2	Assistant Professor EEE	Ramco Institute of Technology, Rajapalayam	01.06.2016	31.05.2018

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3	Assistant Professor- EEE	Ranganathan Engineering College, Coimbatore	01.06.2014	30.04.2016
4.	Lecturer	Ranganathan Engineering College, Coimbatore	01.06.2012	31.05.2014
5.	Lecturer	Coimbatore Institute of Engineering and Technology, Coimbatore	16.08.2011	31.05.2012
6.	Lecturer	Sri Ramakrishna Mission Vidyalaya Polytechnic College, Coimbatore	02.02.2010	13.08.2011

3. Research Interest

Evaluation of Flexibility in Generation Expansion Planning

4 Publications

4.1 Journal Publications (12)

- i. Ipsita Nayak, G. Radha, K. Senthamilselvan, Dr. R. M. Mastan Shareef, **E. Thangam** Jayalakshmi V “Enhancing Student Performance through Adaptive Knowledge Assessment: A Bayesian Optimization Approach”, IEEE Xplore, 01 January 2024, 10.1109/ICSCNA58489.2023.10370274
- ii. Thangam E, Manikandan B. V, Kannan S and Raja S. P, Low-cost and flexible generation expansion planning with localization of power plants in a test bus system, Journal of the Chinese Institute of Engineers, vol. 47, no.2, pp 226-242, 2024, <https://doi.org/10.1080/02533839.2023.2298990>.
- iii. Thangam Esakkiappan, Manikandan Bairavan Veerayan and Kannan Subramanian, Studies on the planning of generation expansion in a renewable dominated power system, AIP Conference Proceeding 2831, 040003 (2023), <https://doi.org/10.1063/5.0162763>.
- iv. G. Praveen, R. Kaliraj, J. Abimanyu, **E. Thangam**, “LoRa Based Real-Time Electrical Substation Monitoring System”, International Journal of All Research Education and Scientific Methods (IJARESM), Volume 11, Issue 4, April-2023 (UGC Care)
- v. **Thangam E**, Anandhakumar C, Karthik Prabhu D, Meenakshi Sundaravel S, Vigneshwar A S, “Application of An Automatic Three-Phase Power Supply Phase Selector In The Medical Ventilator”, *Journal of Pharmaceutical Negative Results* | Volume 13 | Special Issue 7 | 2022 4818 (Scopus Indexed)
- vi. Muthukrishnan, Sathya, **Thangam**, “An Intelligent System to Detect Faults and Condition Monitoring in Transformers”, International Journal of Advances in Engineering and Management (IJAEM), Volume 4, Issue 6 June 2022, pp: 1534-1544
- vii. P. Ganga Devi, M. Muthu Meenakshi, B. Vasuki, **E. Thangam**, “Design and Implementation of Autonomous Paint Spraying Machine Using PLC”, International Journal of Scientific Research in Science and Technology (IJSRST), Volume: 09, Issue: 01, April 2021, DOI : 10.32628/IJSRST219195
- viii. Deepthi L R, Divya Dharshini J N, Vishwa Bharathi R, **Thangam E**, “Design and Implementation of Three Floor Lift Using PLC”, International Journal of Scientific

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Research in Science and Technology (IJSRST), Volume: 09, Issue: 01, April 2021, DOI : 10.32628/IJSRST2191101

- ix. M. Kirubah, K. Sivapriya, G. Yashaswini, E. Thangam, “Solar Sewage Treatment”, International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 2, February 2020, <https://www.irjet.net/volume7-issue2 S.NO:604>
- x. Sinsha, E Thangam “Bridgeless Cuk Converter Fed BLDC motor with power factor correction for air conditioning system” International Journal of Engineering Research and Technology ESRSA Publication 14.02.2014
- xi. Sinsha, E Thangam “Fuzzy Optimization Using TCSC Device for Congestion Management” International Journal of Engineering Research and Applications IJERA Publication 01.03.2014
- xii. Lovisal.C, E.Thangam, “Fuzzy Optimization using TCSC Device for Congestion Management”, Internal Journal of Engineering Research and Applications, Vol. 4, Issue 3 (Version), 188-192(5), 2014

4.2 Conference Publications (17)

- i. G. Praveen, R. Kaliraj, J. Abimanyu, E. Thangam, “Real-Time Electricity Substation using LoRa observational system”, 3rd International Conference on Emerging Electrical System & Control, Sethu Institute of Technology, Kariapatti, 26.04.2023
- ii. E. Thangam, B.V. Manikandan, S. Kannan, “Studies on the planning of Generation Expansion in Renewable Dominated Power System” International Conference on Smart Technologies and Applications – 2022 (ICSTA 2022) at Ramco Institute of Technology on 11th and 12th March 2022
- iii. P. Ganga Devi, M. Muthu Meenakshi, B. Vasuki, **E. Thangam**, “Design and Implementation of Autonomous Paint Spraying Machine Using PLC”, International Journal of Scientific Research in Science and Technology (IJSRST), Volume: 09, Issue: 01, April 2021, DOI : 10.32628/IJSRST219195
- iv. Deepthi L R, Divya Dharshini J N, Vishwa Bharathi R, **Thangam E**, “Design and Implementation of Three Floor Lift Using PLC”, International Journal of Scientific Research in Science and Technology (IJSRST), Volume: 09, Issue: 01, April 2021, DOI : 10.32628/IJSRST2191101
- v. S.Muthukrishnan, K.Sathya, **E.Thangam**, “Auto light intensity controller using 8051”, National Web Conference on Challenges and Innovation in Engineering & Technology 2021 (NWCCIET -2021), Ramco Institute of Technology, Rajapalayam, March 2021.
- vi. **E. Thangam**, B.V. Manikandan, A. Arun Kumar, “A Novel Power Supply Phase Selector Using Programmable Logic Controller”, International Web conference on Smart Engineering Technologies 2020”, Rajapalayam, June 26, 27, 2020, Page. No: 51
- vii. R. Manisha, K. Swathi, M. Nivetharajam, **E. Thangam**, “WSN Based Model for Anti Collision Accident Prevention for Train”, National Conference on Green Mechatronics System, Coimbatore, March 17, 18, 2020
- viii. B.Ajitha, R.Bavatharani, A.Deepika, V.Dharani, **E. Thangam**, “ Automated Window Cleaning Robot” National Conference P.S.R. Rengaswamy College of Engineering for Women 07.03.2019

- ix. K. Gokila , A. Harishmaa, G. Muthu Lakshmi , R. Shanmuga Priya, **E. Thangam**, “ Intelligent Traffic Light Control System” National Conference P.S.R. Rengaswamy College of Engineering for Women 07.03.2019
- x. P.Gayathri, S.Kartheeswari, K.Priyadharsini, **E. Thangam**, “Water Mist Fire Extinguisher in cracker industry using PLC” 5th International Conference on Trends in Technology and Engineering, Arjun College of Technology, Coimbatore 07.04.2018
- xi. J.Aravinth, R.Stephen franz, S.Vinoth Kannan, P.Rajkumar, **E. Thangam**, “VAWT Based Energy Efficient Highway Lighting System” National Conference on Innovations in Communication and Technology for social development Ramco Institute of Technology, Rajapalayam 23.03.2018
- xii. M. Karthik, B. Karthikeyan, M.Vignesh, **E. Thangam**, “PLC Based Automatic Vertical Rotary car parking System” National Conference on Engineering Applications Universal College of Engineering and Technology Tirunelveli 16.03.2018
- xiii. S.Amirtha Priya, S.A.Lakshmi Gomathy, P.Krishnaveni, M.Malathi **E. Thangam** “Embedded Based Secured Circuit Breaker operation” National Conference on Innovations in Engineering, Science and Technology” Ramco Institute of Technology Rajapalayam 24.03.2017
- xiv. A.Athmanathan, S.Sambandham, P.Sudharson **E. Thangam**, “Power Saving and Monitoring in Injection Moulding Machine” National Conference on Innovations in Engineering, Science and Technology Ramco Institute of Technology Rajapalayam 24.03.2017
- xv. **E. Thangam**, B. Ashok “Web Based Automatic Monitoring and Controlling Irrigation Field system using LABVIEW” 7th National Conference on Advancement in Electrical Systems” SNS College of Technology, Coimbatore 19.02.2016
- xvi. Sinsha, **E. Thangam** “Bridgeless Cuk Converter fed BLDC Motor with Power Factor Correction for Air Conditioning system” National Conference on Recent Evolutions of Computer and Electronics in Power Technologies -2016 Karpagam College of Engineering, Coimbatore 12.02.2016
- xvii. M. Vanitha, **E. Thangam**, S. Jayasree “Solution of Economic Dispatch Problem using a Hybrid Technique with Valve point Loading Effect” First National conference on Electrical Systems RVS College of Engineering and Technology, Coimbatore 21.03.2012

4.3 Book/Book chapter publications

NIL

5 Funded Projects

S.No.	Title of the project	Funding Agency	Duration	Amount	Status
1	Smart Manufacturing “Deep sea fishermen Tracking system”	Tamilnadu Government Niral Thiruvizha	3 Months	Rs. 10,000	Received
2.	Solar Dryer	Unnat Bharat	5 Months	Rs.50,000	Applied

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	for Corn Grains for Alangulam Village Farmers	Abhiyan, New Delhi			
3.	Uninterrupted power supply phase Selector for rural hospital medical ventilator	TNSCST	3 Months	Rs. 7500	Received
4.	Electrical Energy Theft Detection in Metering Infrastructure	TNSCST	3 Months	Rs. 8000	Applied
5.	Six Day FDTP on EE8703 Renewable Energy Systems	CFD, Anna University, Chennai – 25	2 Weeks	Rs. 50,000	Applied
6.	In-house School Awareness Seminar on “Electrical Energy Conservation in your Home”	DRDO, New Delhi	6 Months	Rs. 8.5 Lakh	Applied
7.	Scrolling Wireless Digital LED Display Board	MSME Idea Hackathon 2022	1 Year	Rs. 10 Lakh	Applied
8.	Sanitation and Solid Waste Management	Unnat Bharat Abhiyan, New Delhi	6 Months	Rs. 100,000	Applied
9.	In-house School Awareness Seminar on “Electrical Energy Conservation in your Home”	DRDO, New Delhi	6 Months	Rs. 8.5 Lakh	Applied
10.	Electrical Energy Theft Detection in Metering Infrastructure	Tamil Nadu State Council for Science and technology	6 Months	Rs. 8,500	Applied
11.	Self-Monitoring of	Tamil Nadu State Council for	6 Months	Rs. 8,000	Applied

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	Solar Photovoltaic Panel	Science and technology			
12.	Power Supply Phase Selector using PLC	Tamil Nadu State Council for Science and technology	6 Months	Rs. 9,825	Applied
13.	Solar sewage treatment system	Tamil Nadu State Council for Science and technology	6 Months	Rs. 10,000	Applied

6 Ph.D. guidance

Sl.No	Scholar name	University	Topic	Status
-	-	-	-	-

7 Short term Courses / Seminars /FDP/Workshop/ConferenceAttended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Webinar on Grid Integration of Renewable Energy	National Institute of Wind Energy	12.04.23	12.04.23
2.	Webinar on Research Proposal Writing	Ramco Institute of Technology	30.01.23	30.01.23
3.	Workshop on “Role of NAAC in Enhancing Quality in Higher Education Institutions”	Ramco Institute of Technology	16.12.22	17.12.22
4.	Workshop on “Journal Paper Writing”	Ramco Institute of Technology	10.02.23	10.02.23
5.	International Conference on Smart Technologies and Applications – 2022 (ICSTA 2022)	RIT, AICTE, NABARD, and BAI	11.03.2022	12.03.2022
6.	Circuit Design using AutoCAD Electrical (Online Live FDP)	ICT Academy	16.08.2021	20.08.2021
7.	Recent Trends in Electrical Engineering (Online FDP)	Geethanjali Institute of Science and Technology, Nellore	16.08.2021	23.08.2021
8.	ATAL FDP “Renewable Energy – A future alternative”	Government Polytechnic Thane	17.01.2022	21.01.2022

9.	Avenues for Energy Conservation in Residential Buildings	CEG Campus, Anna University, Chennai – 25	24.01.2022	31.01.2022
10.	FDP on Bio-Inspired Optimization for Electrical Engineering Applications	RIT	21.02.2022	23.02.2022
11.	Modelling of Solar & Wind Energy System with Design Techniques of Converter and Inverter Topologies	Karpagam Academy of Higher Education	12.03.2021	12.03.2021
12.	Value added Course on “PLC Programming”	PACR Polytechnic College, Rjpm	12.03.2021	21.03.2021
13.	ATAL FDP on “Electric Vehicles”	Fr.C.Rodrigues Institute of Technology, Vashi	02.11.2020	06.11.2020
14.	ATAL FDP on “Smart Cities”	Nitte Meenakshi Institute of Technology, Bangalore	05.1.2020	09.1.2020
15.	Circuit Design using AutoCAD Electrical (Online Live FDP)	ICT Academy	20.07.2020	24.07.2020
16.	Bentley Webinar: Transform the Electrical Grid with a Network Digital Twin	Bentley Institute	29.04.20	29.04.20
17.	How to write a high quality technical journal paper	IEEE	24.04.20	24.04.20
18.	Basics of Robotics Simulation	IEEE YESIST12-2020	26.04.20	27.04.20
19.	Machine Learning	IETE (Mumbai)	02.05.20	02.05.20
20.	Effective Use of Learning Management System	Ramco Institute of Technology, Rajapalayam	09.05.20	09.05.20
21.	How to Formulate a Research Problem?	Ramco Institute of Technology, Rajapalayam	13.05.20	13.05.20
22.	Transition to Digital World	A.V.C College of Engineering, Mayiladuthurai	13.05.20	13.05.20
23.	Future Scope in IoT and E-vehicles	Anand Institute of Higher Technology, Chennai	13.05.20	13.05.20
24.	IEEE Xplore Digital Library	IEEE	14.05.20	14.05.20
25.	Smart Grid Technology For Modern Power Systems	Sri Ranganathar Institute of Engineering and Technology, Coimbatore	15.05.20	15.05.20

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26.	Electric Vehicle - Design	Sri Ramakrishna Institute of Technology, Coimbatore	25.05.20	25.05.20
27.	Entrepreneurship and Patenting Opportunities	Cape Institute of Technology, Nagercoil	26.05.20	26.05.20
28.	Employability Skills for the Future	ICTACT Academy	07.05.20	07.05.20
29.	Smart Grid Technology for Modern Power systems	Sri Ranganathar Institute of Technology, Coimbatore	15.05.20	15.05.20
30.	Research challenges in Wind Energy Systems	Chennai Institute of Technology, Chennai	22.05.20	22.05.20
31.	AICTE Sponsored FDP “Application of Soft Computing Techniques to Power Quality and Energy Conservation Issues in Renewable Energy Systems”	PSNA college of Engineering and Technology, Dindigul	04.11.2019	17.11.2019
32.	Knowledge Enhancement Program on “ Power System Protection Relays and Substation Automation”	KCG College of Technology, Chennai	13.05.2019	14.05.2019
33.	Hands on training on “Analog Discovery Kit”	Ramco Institute of Technology, Rajapalayam	22.06.2019	22.06.2019
34.	National Workshop on “Grid- Tied Solar Plant Design and Advances”	PSG College of Technology, Coimbatore	19.11.2018	20.11.2018
35.	ISO Awareness & Internal Auditing Training for ISO 9001:2015	ISO TUV Rheinland	21.06.2018	22.06.2018
36.	Workshop on “Modeling and Closed Loop Control of Permanent Magnet Machines using MATLAB”	Mepco Schlenk Engineering College, Sivakasi	16.04.2018	17.04.2018
37.	ISO Awareness & Internal Auditing for ISO 9001:2015	Ramco Institute of Technology, Rajapalayam	21.06.2018	22.06.2018
38.	Workshop on “Writing Research Papers, Citation Analysis, Plagiarism, Getting Patent & Copyright”	Ramco Institute of Technology, Rajapalayam	29.06.2018	30.06.2018
39.	FDP on “Signals and Systems”	Ramco Institute of Technology, Rajapalayam	13.06.2018	18.06.2018

40.	GIAN Course on "Intelligent Electric Power Grids"	National Institute of Technology, Trichy	27.11.2017	01.12.2017
41.	Short Term Course on ICT solutions for Issues and Challenges in Smart Grid Technology	Pondicherry Engineering College, Pondicherry	28.11.2016	02.12.2016
42.	Anna University Sponsored FDP on "Control Systems"	Centre for Faculty Development Anna University	04.06.2016	10.06.2016
43.	Training on Digsilent Software	Ramco Institute of Technology	20.06.2016	22.06.2016
44.	AICTE Sponsored FDP on "Topics of Research in Electrical Engineering"	Department of EEE, Mepco Schlenk Engineering College, Sivakasi	11.05.2015	24.05.2015
45.	FDP on " Teaching and Learning Pedagogy-Phase-II"	Ranganathan Engineering College	12.05.2014	14.05.2014
46.	ISTE-WPLP National Workshop on "Curriculum Development and Evaluation"	ISTE, Working Professionals Learning Project, Bengaluru	05.03.2014	07.03.2014
47.	Mentor Workshop on "Online Certification courses"	IIT, Madras	15.03.2014	15.03.2014
48.	Teaching & Learning Pedagogy- Phase-II	Ranganathan Engineering College	12.05.2014	14.05.2014
49.	Anna University Sponsored FDP on "Special Electrical Machines"	Anna University Regional Centre, Coimbatore	10.06.2013	16.06.2013
50.	Seminar "Agilent Measurement Equipments"	Agilent Technologies	17.07.2013	17.07.2013
51.	ISTE Sponsored "Ramanujam Mathematics Awareness Programme"	Ranganathan Engineering College	28.02.2013	28.02.2013
52.	NI Labview Core1 & 2 course	Ranganathan Engineering College	03.12.2012	05.12.2012
53.	National Level Workshops on "Power System Analysis using Matlab Tools"	Mahendra Engineering College	26.03.2012	26.03.2012
54.	LV Switchgear & Reactive Power Management Techniques	PSG College of Technology	05.08.2011	06.08.2011
55.	Short Term Course "MATLAB Programming"	National Institute of Technical Teachers Training and Research, Chennai	18.10.2010	22.10.2010

56.	"Revelation 08" National Level Technical Symposium	Pondicherry Engineering College, Pondicherry	08.02.2008	08.02.2008
57.	Seminar on "Renewable Energy - Energy of the Future"	CSI Institute of Technology, Nagercoil	18.08.2005	18.08.2005

8. Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Webinar on Electrical Energy Audit from the perspective of electrical energy conservation	Ramco Institute of Technology	05.12.2022	05.12.2022
2.	Workshop on "Energy Management in Home"	Ramco Institute of Technology	17.12.2022	17.12.2022
3.	Student Presentation on "Electrical Energy Conservation in your Home"	Ramco Institute of Technology, Rajapalayam	17.12.2021	17.12.2021
4.	Hands on Training "Office Automation	Ramco Institute of Technology,	04.06.2021	05.06.2021
5.	Online Course on "Fun with Electric Circuits"	Ramco Institute of Technology,	19.05.2021	20.05.2021
6.	Rubik's Cube Event	Ramco Institute of Technology, Rajapalayam	15.09.21	15.09.21
7.	Workshop on Energy Conservation on Home Appliances	Ramco Institute of Technology, Rajapalayam	20.12.21	24.12.21
8.	Webinar on How to crack TCS Ninja	Ramco Institute of Technology, Rajapalayam	08.08.2021	08.08.2021
9.	RIT – HT Powerhouse Internship	Ramco Institute of Technology, Rajapalayam	10.02.2022	28.02.2022
10.	Fun with Electric Circuits	Ramco Institute of Technology, Rajapalayam	11.05.20	13.05.20
11.	Sensors and Displays	Ramco Institute of Technology, Rajapalayam	25.05.20	26.05.20
12.	Interdisciplinary Webinar Series – I	Ramco Institute of Technology, Rajapalayam	01.06.20	05.06.20

13.	Interdisciplinary Webinar Series-II	Ramco Institute of Technology, Rajapalayam	08.06.20	12.06.20
14.	Student Solar Ambassador Workshop 2019	IIT Bombay Venue: Ramco Institute of Technology	02.10.2019	02.10.2019
15.	Energy Conservation Awareness Program	Ramco Institute of Technology, Rajapalayam	29.08.2019	29.08.2019
16.	One day Workshop on “Arduino Programming and Hardware” in Techyuga 2019	Ramco Institute of Technology, Rajapalayam	31.08.2019	31.08.2019
17.	Guest Lecture on “Energy Conservation”	Ramco Institute of Technology, Rajapalayam	02.03.2019	02.03.2019
18.	Intelligent Electric Power Grid	Ramco Institute of Technology, Rajapalayam	28.12.2018	29.12.2018

9. Online Courses

Sl.No	Course title	University	Date
1.	Wind Energy	Technical University of Denmark	28.03.2023
2.	Introduction to Programming with MATLAB	Vanderbilt University	06.09.2021
3.	Mathematics for Machine Learning: Linear Algebra	Imperial College London	09.04.2022
4.	Mathematics for Machine Learning: Linear Algebra	Imperial College, London Coursera	09.04.2022
5.	Introduction to Programming with MATLAB	Vanderbilt University	06.09.2021
6.	Digital Teaching Techniques	ICT Academy & Atos Syntel	30.09.2020
7.	Operations Research: an Active Learning Approach	The Hong Kong Polytechnic University	03.09.2020
8.	Transfer Functions and the Laplace Transform	Massachusetts Institute of Technology, USA	01.09.2020
9.	Programming for Everybody (Getting Started with Python)	University of Michigan	14.10.2020
10.	Electric Cars : Introduction	Delft University, Netherland	26.07.2020
11.	Introduction to Electronics	Georgia Institute of Technology	12.07.2020
12.	Hands-on training on Solar Study Lamp Assembly	IIT Bombay	01.01.2020
13.	Learn to Design your own Solar	Energy Swaraj Foundation	16.05.2020

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	Home System		
14.	C Tutorial Course	Sololearn.com	22.04.2020
15.	C++ Tutorial Course	Sololearn.com	22.04.2020
16.	Electric Power Systems	The State University of New York	10.06.2020
17.	Vector Calculus for Engineers	The Hong Kong University of Technology	10.06.2020
18.	Introduction to Differential Equations	Massachusetts Institute of Technology, USA	26.12.2019
19.	Hands-on training on Solar Study Lamp Assembly	IIT Bombay	02.10.2019
20.	Calculus 1C: Coordinate Systems & Infinite Series	Massachusetts Institute of Technology, USA	12.05.2019
21.	Differential equations: Fourier Series and Partial Differential Equations	Massachusetts Institute of Technology, USA	21.12.2018
22.	MATLAB Onramp	MathWorks Training Services	22.11.2018
23.	Calculus 1B: Integration	Massachusetts Institute of Technology, USA	09.03.2018
24.	Calculus 1A: Differentiation	Massachusetts Institute of Technology, USA	10.09.2017
25.	Solar Energy	Delft University, Netherland	22.05.2017
26.	Circuits and Electronics 1: Basic Circuit Analysis	Massachusetts Institute of Technology, USA	23.12.2016

10. Patents filed/awarded

Sl. No.	Title	Application No.	Filed Date	Status	Inventor(s)
1.	Method for Treating Waste Water in Dye Industry using Natural Filter	202041056624	28.12.2020	Under Examination	Ms.M.Kirubah Ms.K.Sivapriya Ms.G.Yashaswini Mr.E.Thangam Mr.N.Ganesh Dr.K.Karthikeyan Dr.S.Kannan
2.	An Apparatus for Monitoring and Dispensing Medicine to Elderly Patients	202141004468	02.02.2021	FER Report Received	Ms. S. Jeya Shiny Suhel, Ms. M. Ramya, Ms. A. G. Vinataa, Ms.S.Sharmila Kumari,

					Mrs G.Sivapriya Mr.E.Thangam Dr.S.Kannan
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Copyright

Sl. No.	Title	Application No.	Filed Date	Status	Inventor(s)
1.	Copyright Industrial Automation using PLC: A Guide book for Beginners	L-121093/2023	28.02.2023	Granted	E. Thangam K. Karthikeyan D. Karthik Prabhu

11. Membership in Professional societies

Name of the Society	Membership No.	Type of Membership
Indian Society for Technical Education	LM93073	Life Time Member

12. Awards, Recognition & Achievements

- Produced 100% result for the course EE6702 Protection and Switchgear in the academic year 2016-2017 Odd Semester.
- Produced 100% result for the course EE6504 Electrical Machines- II in the academic year 2016-2017 Odd Semester.
- Received best class adviser for the class 2018 – 2022 in the academic year 2019 – 2020
- Received and Certified “Digital Teacher Badge” by ICTACT on 30.09.2020
- Released a guidebook on “Electrical Energy Conservation in your Home”

13. Industrial Training

Sl.No	Name of the Company	Duration	
		From	To
1.	Yohesh Engineering Corporation, (For Kudankulam Nuclear Power Plant), Kudankulam	17.07.2023	19.07.2023
2.	Wind Farm, The Ramco Group Textile Division, Aralvaimozhi	19.01.2023	21.01.2023
3.	Sunbeam Generators Pvt. Ltd Puducherry	03.03.2022	05.03.2022
4.	Ramco Cements Limited,	31.01.2019	02.02.2019

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	Alathiyur		
5.	Rajapalayam Mills Limited, Rajapalayam	10.05.2017	13.05.2017
6.	Ramco Cements Limited, Alathiyur	25.06.2018	27.06.2018

14. Courses Taught

Academic Year	Name of the Subject	Class	No. of Stu. Appeared	No. of Stu. Passed	Pass %
2016-2017 Odd Semester	EE6702 Protection and Switchgear	VII Sem. EEE	69	69	100 %
	EE6504 Electrical Machines- II	V Sem. EEE	71	71	100 %
	EE6512 Electrical Machines Laboratory – II	V Sem. EEE	71	71	100 %
2016-2017 Even Semester	EE6801 Electric Energy Generation, Utilization and Conservation	VIII Sem. EEE	69	68	98.5%
	EE6401 Electrical Machines- I	IV Sem. EEE	66	59	89.39%
	EE6411 Electrical Machines Laboratory – I	IV Sem. EEE	66	62	93.94%
2017-2018 Odd Semester	EE6702 Protection and Switchgear	VII Sem. EEE	71	67	94.36%
	EE6504 Electrical Machines- II	V Sem. EEE	66	58	87.88%
	EE6512 Electrical Machines Laboratory – II	V Sem. EEE	66	66	100%
2017-2018 Even Semester	EE6801 Electric Energy Generation, Utilization and Conservation	VIII Sem. EEE	71	68	95.77%
	EE6401 Electrical Machines- I	IV Sem. EEE	57	43	75.44%
	EE6411 Electrical Machines Laboratory – I	IV Sem. EEE	57	57	100%
2018-2019 Odd Semester	EE6702 Protection and Switchgear	VII Sem. EEE	66	63	95.45%
	EE6504 Electrical Machines- II	V Sem. EEE	56	55	98.21%
	EE6512 Electrical Machines Laboratory – II	V Sem. EEE	56	56	100%
2018-2019 Even Semester	EE6801 Electric Energy Generation, Utilization and Conservation	VIII Sem. EEE	66	64	96.97%
	EE8401 Electrical Machines- II	IV Sem. EEE	56	48	85.71%
	EE8411 Electrical Machines Laboratory – II	IV Sem. EEE	56	56	100%
2019-2020 Odd	EE6702 Protection and Switchgear	VII Sem. EEE	56	53	94.64%

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Semester	ORO551 Renewable Energy Sources	V Sem. Civil & ECE	58	57	98.27%
	EE8361 Electrical Engineering laboratory	III Sem. Mech-A	29	29	100%
2019-2020 Even Semester	EE8401 Electrical Machines – II	IV Sem. B.E. EEE	29	29	100%
	EE6801 Electric Energy Generation, Utilization and Conservation	VIII Sem. B.E. EEE	56	56	100%
2020 – 2021 Odd Semester	EE8702 Power System Operation and Control	VII Sem. B.E. EEE	55	55	100%
	ORO551 Renewable Energy Sources (Open Elective-I)	V SEM Civil & ECE	38	38	100%
2020 – 2021 Even Semester	EE8401 Electrical Machines – II	IV Sem B.E EEE	33	33	100%
	BE8253 Basic Electrical, Electronics and Instrumentation Engineering	II Sem B.E Mechanical 'B'	20	20	100%
2021 – 2022 Odd Semester	EE8301 Electrical Machines – I	III Semester B.E EEE 'B'	30	30	100%
	ORO551 Renewable Energy Sources (Open Elective- I)	V SEM Civil & ECE	35	35	100%
2021 – 2022 Even Semester	EE8401 - Electrical Machines – II	IV Sem. B.E EEE 'B'	31	28	90.32%
	EE8401 - Electrical Machines – II	IV Sem. B.E EEE 'A'	30	29	96.97%
2022 – 2023 Odd Semester	EE3303 Electrical Machines – I	III Sem. B.E EEE	64	62	96.88%
2022 – 2023 Even Semester	EE8019 Smart Grid	VIII Semester B.E EEE	12	12	100%
	BE3251 Basic Electrical and Electronics Engineering	II Semester B. Tech AI & DS - B	59	59	100%

Due to COVID-19, all courses from the 2019-2020 academic year through the 2021-2022 odd semesters achieved a 100% result.

15. Additional Certification

Sl. No.	Name of the Course	Organized by	Duration/ Completed on
1.	IUCEE Internal Engineering Educator Program Certification	IUCEE & IGIP	5 Months Jan, 16, 2023

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2.	O&M Electrical & Instrumentation Technician – Wind Power Plant	National Skill Development Corporation	06.02.23 to 17.02.23
3.	O&M Mechanical Technician – Wind Power Plant	National Skill Development Corporation	06.02.23 to 17.02.23
4.	Wind Resource Assessor and Site Surveyor – Wind Power Plant	National Skill Development Corporation	06.02.23 to 17.02.23
5.	Inculcating Universal Human Values in Technical Education	AICTE	28.02.2022 to 04.03.2022

Any others (Board of studies/Governing Council/Staff Selection/ Reviewer/other duties)

- Acted as an internal reviewer for the International Conference on Smart Engineering for Renewable Energy Technologies and Applications (ICSERET – 2023) on 24th and 25th of March 2023.
- Acted as a jury member for the symposium organised by the PACR Polytechnic College Techfest 2023 on 23.02.2023
- Design and Publicity committee member of the International Conference on Smart Engineering for Renewable Energy Technologies and Applications (ICSERET – 2023)
- As an internal reviewer reviewed the papers for International Conference on Smart Technologies and Applications (ICSTA – 2022).
- Design and Publicity committee member of International Conference on Smart Technologies and Applications (ICSTA – 2022).
- As an internal reviewer for the students paper presentation in the 20th Annual ISTE Tamilnadu Section Engineering Students' Convention “Sustainable Development of India Through Innovations” on 26th March 2022
- Reviewer National Level Paper Presentation Contest IET'17 by Institution of Engineering and Technology at Ramco Insitute of Technology, Rajapalayam on 23.03.2017