

GOVERNMENT COLLEGE OF ENGINEERING

TIRUNELVELI – 627 007

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1. Name in full : Dr.A.THANGARAJ
2. Designation : Assistant Professor
3. Date of joining in the present post : 18..04.2013
4. Date of joining the institute : 11.01.2020
5. Date of Birth : 17.04.1977
6. PAN Number : AIPPT8271M
7. Aadhaar Number : 8879 4591 6445
8. Scale of pay : Rs.77600/-
9. Address:



Permanent Address	Communication Address
5A/34A, First Street (West), Caldwell Colony, Tuticorin-628008.	Assistant professor Department of Electrical and Electronics Engineering Governemnt Collge of enigneering, Tirunelveli-627007. Mobile:9489940850 e-mail id: thangaraj@gcetly.ac.in

10. Educational Qualification (Starting from basic degree):

Degree	Area of Specialization	Institute/ University	Month/ Year	Class	% Marks / Equivalent
B.E	Electrical and Electronics Engineering	University of Madras	April 1999	I Class	69.25 %
M.E	Power Electronics and Drives	Anna University, Chennai	April 2007	I Class	7.24 CGPA
Ph. D	Electrical Engineering	Anna University, Chennai	June 2020	NA	NA

11. Experience (Starting from current position):

Academic Experience				
Period		No. of Years	Designation / Nature of job	Institute / Organization
From	To			
11.01.2020	Till Date	2 Years 9 Months	Assistant Professor.	Government College of Engineering, Tirunelveli.
17.04.2013	10.01.2020	6 Years, 9 Months	Assistant Professor	Government College of Engineering, Bargur.
03.09.2007	31.05.2008	9 Months	Lecturer	KLN College of Engineering, Madurai.
11.06.2007	31.08.2007	3 Months	Lecturer	LCR College of Engineering & Technology, Tiruvallur.
21.06.2004	05.07.2005	1 Year	Lecturer	Er.Perumal Manimegalai Polytechnic College, Hosur.

Industrial Experience				
Period		No. of Years	Designation / Nature of job	Institute / Organization
From	To			
18.10.2008	17.04.2013	4 Years 6 Months	Telecom Technical Assistant	Bharath Sanchar Nigam Limited (BSNL), Tuticorin.

Research Experience				
Period		No. of Years	Designation / Nature of job	Institute / Organization
From	To			
Nil				

12. Publications with DOIs and Publication/Citation details

Publications Details						DOI	No of Citations
S. No.	Title of paper	Authors	Name of the journal Month and year of acceptance	Publication details Vol. No., Pg. No, Month, Year	ISSN/ ISBN Number		

01	“A Comparative study of DC-DC Converter with dynamic Evolution Control”	A.Thangaraj, S.Arockia Edwin Xavier	Advances in Natural and Applied Sciences- AENSI Publications	2016 special 10(6): pages.220-226	ISSN 1995-0772	-	Nil
02	“A Robust Dynamic Controller Design of Synchronous buck Converter for extreme loaded condition”	A.Thangaraj, S.Arockia Edwin Xavier	Journal of Electrical Engineering	2019, Vol.19, Edition 4,pp.174-183	ISSN 1582-4594	-	nil
03	“An EGA Approach based Fractional order PID Controller for Synchronous Buck Converter”	A.Thangaraj, S.Arockia Edwin Xavier, R.Pandian	Journal of Circuits, Systems and Computers	Vol.30, No.14(2021) 2150253 (25 pages)	ISSN 0218-1266	10.1142	nil
04	“Optimal Coordinated operation scheduling for electric vehicle aggregator and charging stations in integrated electricity transportation system using hybrid technique”	A.Thangaraj, S.Arockia Edwin Xavier, R.Pandian	Sustainable Cities and Society- Elsevier Publications	Vol.80, (2022) 103768	ISSN 2210-6707	10.1016	nil
05	“Microgrid integration for power quality improvement using Four Leg Three Level NPC Inverter”	A.Thangaraj, Snow J Steggela	Journal of interdisciplinary Cycle Research	Vol.14, Issue. 8, August2022 page no.564	ISSN 0022-1945	-	nil

13. Books /Course Materials Published:

Nil

14. Academic Research guidance / Supervisor ship:

Anna University, Chennai Supervisor ship Number: 4030011

Name of Research Scholars	Course / M.Phil / Ph.D	Area of Research / Work	Status
-	-	-	-

15. List of R&D and Consultancy Projects with Approvals and Project Completion Reports:

a) R & D Project: Nil

b) Consultancy Project: Nil

16. **Seminars/Guest Lectures/Conferences/Workshops/FDP/Pedagogical Initiates Organized:**

FDP Organized					
Sl. No.	Name of the Program	Title	Sponsoring Agency	Duration	Responsibility
1.	Faculty Development Program	Energy Auditing, Accounting and Conservation of Energy	TEQIP-II	One Week 19.06.13- 25.06.13	Coordinator
2.	Faculty Development Program	Industrial Automation using PLC, SCADA and DCS	TEQIP-II.	One Week 24.07.13- 30.07.13	Coordinator
3.	Faculty Development Program	Power Electronics in Future Power Systems	TEQIP-II	One Week 11.11.13- 17.11.13	Coordinator
4.	Faculty Development Program	Emerging Software Applications to Electrical Systems	TEQIP-II	One Week 17.12.13- 23.12.13	Coordinator
5.	Faculty Development Program	Recent Matlab Techniques to Engineering Applications	TEQIP-II	One Week 12.05.14- 18.05.14	Coordinator

6.	Faculty Development Program	Recent Trends in Power Converters	TEQIP-II	One Week 10.11.14- 16.11.14	Coordinator
7.	Faculty Development Program	Entrepreneurship	TEQIP-II	One Week 17.11.14- 23.11.14	Coordinator
8.	Faculty Development Program	Renewable Energy Sources-Challenges and Opportunities	TEQIP-II	One Week 18.05.16- 24.05.16	Coordinator
9.	Faculty Development Program	Recent Developments in Energy Storage Technology	TEQIP-III	One Week 13.06.19- 19.06.19	Coordinator

SDP Organized					
Sl. No.	Name of the Program	Title	Sponsoring Agency	Duration	Responsibility
1.	Staff Development Program	Computer Hardware Maintenance	TEQIP-II	Two Days 13.06.13- 14.06.13	Coordinator
2.	Staff Development Program	Lab Equipments Maintenance and Servicing	TEQIP-II.	Two Days 05.11.13- 06.11.13	Coordinator
3.	Staff Development Program	PCB Design for Electronic Circuits	TEQIP-II	Two Days 12.12.13- 13.12.13	Coordinator
4.	Staff Development Program	Earthing Practices for Technicians	TEQIP-II	Two Days 22.08.16- 24.08.16	Coordinator

5.	Staff Development Program	Servicing and Maintenance of UPS-Battery	TEQIP-II	Two Days 27.02.17- 28.02.17	Coordinator
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STP Organized					
Sl. No.	Name of the Program	Title	Sponsoring Agency	Duration	Responsibility
1.	Student Training Program	Fabrication and Testing of Electronic Circuits	TEQIP-II	Three Days 19.08.13- 21.08.13	Coordinator
2.	Student Training Program	DSP based speed control of Special Electrical Drives	TEQIP-II.	One Day 04.10.13	Coordinator
3.	Student Training Program	Embedded Controllers for Electrical Systems	TEQIP-II	Three Days 18.10.13- 20.10.13	Coordinator
4.	Student Training Program	Konfident	TEQIP-II	Two Days 07.07.13- 08.07.13	Coordinator
5.	Student Training Program	Testing and Circuit Debugging of Electronic Components	TEQIP-II	Three Days 07.08.14- 09.08.14	Coordinator
6.	Student Training Program	Electric Circuit Theory-GATE Coaching	TEQIP-II	Three Days 21.08.14- 23.08.14	Coordinator
7.	Student Training Program	Electro Magnetic Theory-GATE Coaching	TEQIP-II	Three Days 13.09.14- 15.09.14	Coordinator

8.	Student Training Program	PCB Design and Fabrication	TEQIP-II	Two Days 18.09.14- 19.09.14	Coordinator
9.	Student Training Program	DC Machines and Transformers- GATE Coaching	TEQIP-II	Two Days 13.02.15- 14.02.15	Coordinator
10.	Student Training Program	Hands on Training in MATLAB Programming	TEQIP-II	Three Days 04.09.15- 06.09.15	Coordinator
11.	Student Training Program	Electromagnetics and its Applications	TEQIP-II	Three Days 18.07.16- 20.07.16	Coordinator
12.	Student Training Program	Basic Electric Circuits-GATE Coaching	TEQIP-II	Three Days 27.08.16- 29.08.16	Coordinator
13	Student Training Program	Fabrication of Electronic Devices and Circuits	TEQIP-II	Three Days 10.08.16- 12.08.16	Coordinator
14	Student Training Program	Signals & Control Systems	TEQIP-II	Four Days 20.09.16- 23.09.16	Coordinator
15.	Student Training Program	Transformers and DC Machines	TEQIP-II	Four Days 28.01.17- 31.01.17	Coordinator
16.	Student Training Program	Digital Signal Processing	TEQIP-II	Three Days 06.02.17- 08.02.17	Coordinator

17.	Student Training Program	Advanced Electrical Drives and Control	TEQIP-II	Two Days 08.02.17- 09.02.17	Coordinator
18	Student Training Program	MATLAB for Electrical Engineers	TEQIP-II	Three Days 10.02.17- 12.02.17	Coordinator
19	Student Training Program	Embedded Systems Design	TEQIP-II	Two Days 13.02.17- 14.02.17	Coordinator
20.	Student Training Program	Design and Fabrication of PCB	TEQIP-II	Three Days 17.02.17- 19.02.17	Coordinator
21.	Student Training Program	Energy Auditing	TEQIP-II	Two Days 21.02.17- 22.02.17	Coordinator
22.	Student Training Program	Measurements and Instrumentation for Electrical Engineer	TEQIP-II	Three Days 21.02.17- 23.02.17	Coordinator
23.	Student Training Program	Soft Skills Training	TEQIP-II	Three Days 01.03.17- 03.03.17	Coordinator
24.	Student Training Program	Personality Development	TEQIP-II	Three Days 04.03.17- 06.03.17	Coordinator
25.	Student Training Program	Embedded Processors for Electrical Engineers	TEQIP-II	Three Days 13.03.17- 15.03.17	Coordinator

26.	Student Training Program	Electrical Laboratory Experiments for Students of BBEC Kokrajhar, Assam	TEQIP-III	25.01.19-05.02.19	Coordinator
27.	Student Training Program	Embedded Controllers for Electrical Engineers	TEQIP-III	Three Days 20.03.19-22.03.19	Coordinator
28.	Student Training Program	Modern Power Converters for DC Drives	TEQIP-III	Two Days 22.04.19-23.04.19	Coordinator
29.	Student Training Program	Electromagnetic Theory and its Applications	TEQIP-III	Three Days 12.07.19-14.07.19	Coordinator
30.	Student Training Program	Electric Circuit Theory and its Applications	TEQIP-III	Five Days 23.07.19-27.07.19	Coordinator

17) Seminars/Guest Lectures/Conferences/Workshops/FDP/Pedagogical Initiates Attended:

S. No	Name of Course	Place	Duration	ProgrammeSponsoring Agency
FDP Attended				
1	AICTE sponsored Two weeks FDP on “Smart Grid Challenges & Opportunities”	GCT, Coimbatore	Two Weeks (29.05.13-11.05.13)	AICTE
2	AICTE sponsored two weeks FDP on “Engineering Entrepreneurship”	IRTT, Erode	Two Weeks (27.11.16-11.12.16)	AICTE
3	One week FDP on “Controllers for Management of Renewable Energy Sources”	GCE, Bargur	One Week (14.05.13-20.05.13)	TEQIP-II
4	One week FDP on “Energy Auditing, Accounting and Conservation of Energy”	GCE, Bargur	One Week (19.06.13-25.06.13)	TEQIP-II
5	FDP on “Art Of Teaching: Pedagogical Tools And Techniques”	NIT, Tiruchirapalli	Five Days (18.11.13-22.11.13)	NIT, Tiruchirapalli
6	ISTE-WPLP National Workshop on “Effective Teaching & Learning Pedagogy”	ISTE, New Delhi	Three Days (19.02.14-21.02.14)	ISTE, Bangalore
7	TEQIP-II sponsored One week faculty development programme on “Entrepreneurship”	GCE, Bargur	One Week (17.11.14-23.11.14)	TEQIP-II
8	TEQIP-II sponsored Short Term Course on “Scientific Computation and Documentation using Open Source Softwares”	NIT, Durgapur	Five Days (01.12.14-05.12.14)	TEQIP-II
9	FDP on “Pedagogy, Accreditation, Research and Entrepreneurship”	ESCI, Simla	Three Days (25.05.16-27.05.16)	ESCI, Hyderabad

10	One day Workshop on “NBA Process and Preparation”	GCE, Bargur	One Day 08.07.13	TEQIP-II
11	Faculty Development Training Programme for TEQIP-II Institutions on “EC 2204-Signals & Systems”	CFD, Anna University, Chennai	Five Days 15.07.13-19.07.13	CFD, Anna University
12	One week FDP on “Industrial Automation using PLC, SCADA and DCS”	GCE, Bargur	One week 24.07.13-30.07.13	TEQIP-II
13	Two day Seminar on “Latest Developments in Solar Photovoltaic Technology”	PSG, Coimbatore	Two days 07.08.13-08.08.13	PSG, Coimbatore
14	One week FDP on “Intelligent Controllers for Electrical Systems”	GCE, Bargur	One week 21.08.13-27.08.13	TEQIP-II
15	Faculty Development Programme on “Introduction to Research Methodology”	IIT, Madras, Chennai	Two days 30.08.13-31.08.13	IIT, Madras, Chennai
16	FDP on “ Industrial Automation-PLC/Motors/Drives/Sensors/MMI/SCADA”	Silicon Micro Systems, Bangalore	One week 02.09.13-07.09.13	Silicon Micro Systems, Bangalore
17	One week FDP on “Power Electronics in Future Power Systems”	GCE, Bargur	One week 11.11.13-17.11.13	TEQIP-II
18	FDP on “Power System Protection Relays and Application of Numerical Relay Technology”	ESCI, Hyderabad	Five Days 26.11.13-30.11.13	ESCI, Hyderabad
19	One week FDP on “Optimizing Techniques in Electrical Power System”	GCE, Bargur	One week 04.12.13-10.12.13	TEQIP-II
20	One week FDP on “Emerging Software Applications to Electrical Systems”	GCE, Bargur	One week 17.12.13-23.12.13	TEQIP-II
21	ISTE-WPLP National Workshop on “Accreditation & Autonomy”	ISTE, Bangalore	Three Days 06.01.14-08.01.14	ISTE, Bangalore
22	One week FDP on “Solid Waste Management, Handling Rules and Recycling”	GCE, Bargur	One week 23.12.13-29.01.14	TEQIP-II
23	Residential Workshop on “Essentials of Embedded Systems & Their Applications”	SEED, Chennai	Three Days 05.03.14-07.03.14	SEED, Chennai
24	Five Days Short Term Course on “Smart Grid-Technology and Applications”	CPRI, Bangalore	Five Days 10.03.14-14.03.14	CPRI, Bangalore
25	One week FDP on “Nanotechnology in Electrical Power System and Sensor Applications”	GCE, Bargur	One week 28.04.14-04.05.14	TEQIP-II
26	One week FDP on “Solar Photovoltaic System Design, Installation and Maintenance”	GCE, Bargur	One week 05.05.14-11.05.14	TEQIP-II
27	One week FDP on “Recent Matlab Techniques to Engineering Applications”	GCE, Bargur	One week 12.05.14-18.05.14	TEQIP-II
28	Training Programme on “Solar Photovoltaic System” organized by Institute for Energy Studies, Anna University, Chennai in association with Tamilnadu Energy Development Agency, Chennai from 26 TH to 29 TH May, 2014	Institute for Energy Studies, Anna University, Chennai	Four Days 26.05.14-29.05.14	Institute for Energy Studies, Anna University, Chennai
29	Workshop on “Training of Evaluators/Resource Persons on Outcome Based Accreditation”, organized by NBA and National Engineering College, Kovilpatti on 7 th June, 2014 and from 14 th to 16 th June, 2014	National Engineering College, Kovilpatti	Four Days 07.06.14 & 14.06.14-16.06.14	National Engineering College, Kovilpatti
30	CEP Course on “Renewable Energy for Rural Areas”,	IIT, Bombay	Three Days 14.07.14-16.07.14	IIT, Bombay
31	One Week Short Term Training Program on “Advanced Engineering Optimization Through Intelligent Techniques(AEOTIT)”	SVNIT, Surat	Five Days 22.09.14-26.09.14	SVNIT, Surat

32	Training Programme on “Earthing Practices in Electrical Installations”	ESCI, Hyderabad	Three Days 28.10.14-30.10.14	ESCI, Hyderabad
33	TEQIP-II sponsored One week faculty development programme on “Recent Trends in Power Converters” organized by Dept of EEE, GCE, Bargur from 10 TH to16 TH November, 2014	GCE, Bargur	One week 10.11.14-16.11.14	TEQIP-II
34	One day Workshop on “Research Methodology”	CFD, Anna University, Chennai	One Day 22.01.15	CFD, Anna University, Chennai
35	One Day FDP on “Stress Management”	GCE, Bargur	One Day 17.03.15	TEQIP-II
36	One Day Workshop program on “Patent Registration”	GCE, Bargur	One Day 17.04.15	TEQIP-II
37	One Day Workshop on “Academic Autonomy-Curriculum Design”	GCE, Bargur	One Day 04.03.16	TEQIP-II
38	One week FDP on “Renewable Energy Sources-Challenges and Opportunities”	GCE, Bargur	One week 18.05.16-24.05.16	TEQIP-II
39	Workshop on “NBA-SAR Filling & Preparedness for Assessment”	ESCI, Hyderabad	Three Days 22.01.17-24.01.17	ESCI, Hyderabad
40	Two Days workshop on “Workshop on formulation of funded research and development project initiatives for engineering faculty”	NAFEMS India	Two Days 24.02.17-25.02.17	NAFEMS India
41	Three Days workshop on “Innovation”	NAFEMS India	Three Days 09.03.17-11.03.17	NAFEMS India
42	Two Days FDP on “Creation of interactive video lectures & use of ICT Tools in Teaching”	GCE, Bargur	Two Days 20.06.18-21.06.18	TEQIP-III
43	Three Days workshop on “Outcome based Education and NBA Accreditation”	GCE, Bargur	Three Days 28.06.18-30.06.18	TEQIP-III
44	AICTE-ISTE approved induction/Refresher Programme on : Pedagogy for the use of ICT to improve quality of teaching and Learning”	GCE, Tirunelveli	One Week 14.11.18-20.11.18	AICTE-ISTE
45	One Week FDP on “Recent Developments in Energy Storage Technology”	GCE, Bargur	One Week 13.06.19-19.06.19	TEQIP-III
46	One Week FDP on “Current Practices in Nano Engineering”	GCE, Bargur	One Week 25.06.19-01.07.19	TEQIP-III
47	One Week FDP on “Solar Photovoltaic System Design and Applications”	GCE, Bargur	One Week 10.07.19-16.07.19	TEQIP-III
48	Two Days FDP on “Design, Develop and Deliver online courses through MOODLE platform”	CIT, Coimbatore	Two Days 23.04.20-24.04.20	TEQIP-III
49	Five days FDP on “Research Opportunities and Challenges of Electrical Engineering”	KCET, Trichy	Five Days 22.06.20-26.06.20	KCET, Trichy
50	Three Weeks Industrial Training on “ Basic science and Communication”	RGMTTC, Chennai	Three Weeks 18.12.20-10.01.21	BSNL
51	NPTEL-AICTE FDP on “ Fuzzy Logic and Neural Networks”	NPTEL-AICTE	8 Weeks Feb-Apr 2021	NPTEL-AICTE

18. Faculty Interaction with Outside World:

Guest Lectures Delivered				
S.No	Topic	Area	Delivered at	Year / Date
1.	“Discrete Time Systems and Signal	Electrical Engineering	Er.PMCE, Hosur	07.03.2016

	processing”			
2.	“Control Systems”	Electrical Engineering	Er.PMCE, Hosur	15.09.2017
3.	“Control System-I”	Electrical Engineering	BBEC, Kokrajhar, Assam	05.09.18-09.09.18
4.	“Preparation of Course files”	Outcome based Education	BBEC, Kokrajhar, Assam	16.05.2019

Resource person for various events				
S.No	Organization	Purpose	Acted as	Date
1.	Er.PMCE, Hosur	National conference of Recent innovation in control, communication & instrumentation	Technical Chairperson	22.03.2016

19. Membership in professional societies:

Sl.No.	Name of the Society	Details of Membership
1.	The Indian Society for Technical Education	MISTE Membership Number: LM 107377
2.	The Institution of Engineers (India)	MIE Membership Number: M-1526094

20. Awards/Letters/Certificates/Prizes/Medals/Honors received, if any:

Details of award	Awarded for the work	Date
-	-	-

21. Contribution to the College

Responsibilities held	Nature of activities for the betterment of College
-	-

22. Contribution to the Department

Responsibilities held	Nature of activities for the betterment of the Department
Faculty advisor	Anna University Web Portal Entries from admission to the completion of the program, Bio Data, Master Attendance Register, Result analysis,

	Exam fee payment etc. and Students counseling.
Students Technical Association Faculty in-charge	Maintenance of accounts, Arranging Various activities under the Society including Seminars, Workshops, Technical Symposium and other event at GCE,Bargur
Quality improvement Cell Member/EEE	Distribution of NPTEL Videos on various courses. Arranging workshops/Training programs on spoken tutorial software. Organizing British Council English/Life Skill courses to the students.
NBA Coordinator	NBA Accreditation – UG –EEE Programme at GCE,Bargur

23. Faculty travel for official purpose:

(i) Member of Inspection committee appointed by Anna University, Chennai for consideration of grant for provisional affiliation for the year 2022-2023 for six Engineering Colleges (6 Colleges from 27.05.22 to 03.06.2022).

24. Industrial Visits: Accompanied the students **for 6 Industrial Visits.**

Sl.No	Date	Name of the Industry	Remarks
1.	23.03.2017	Radio Astronomy Centre, Ooty	UG II Year EEE students
2.	06.10.2017	WTRS, Kayathar	UG III Year EEE students
3.	07.10.2017	TTPS, Tuticorin	UG III Year EEE students
4.	03.10.2019	Radio Astronomy Centre, Ooty	UG II Year EEE students
5.	02.05.2022	KoodanKulam Nuclear Power Plant	UG III Year EEE students
6.	21.05.2022	Power Grid, Abishegapatti	UG III Year EEE students

25. Any other activities

Signature

HOD/EEE