



GRACE COLLEGE OF ENGINEERING

FACULTY PROFILE

Name : Gayathri P
Designation & Department : Assistant Professor / EEE
Gender : Female
DOB : 19.01.1988
DOJ : 14.08.2020
Father's Name : Paulraj R
E-mail id : gayathri@grace.edu.in



EDUCATIONAL QUALIFICATION:

Degree	Course	Month & Year of Passing	Name of the School/College & Board/University	Regular / Part Time	% of Marks	Class Obtained
UG	B.E.,(EEE)	April 2009	Dr. Sivanthi Aditanar College Of Engineering. Anna University Chennai	Regular	76%	First Class with Distinction
PG	M.E., (EMBEDDED SYSTEM TECHNOLOGIES)	June 2012	Regional Centre of Anna University, Tirunelveli. Anna University Chennai	Part Time	8.60	First Class with Distinction
Ph.D (pursuing)	EEE	-	Anna University Chennai	Part Time	-	-
Other	-	-	-	-	-	-

EXPERIENCE:

Name of the College	Designation	Duration	
		From	To
National College of Engineering, Maruthakulam.	Lecturer	04-07-2009	31-08-2012
National College of Engineering, Maruthakulam.	Assistant Professor	01-09-2012	31.07.2020
Grace College of Engineering, Thoothukudi	Assistant Professor	14.08.2020	Till Date

Total Teaching Experience	15 Years 05 Months 06 Days (as on 23.12.2024)
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MEMBERSHIP IN PROFESSIONAL BODIES:

Professional Body	Type of Membership	Membership Number
Global Society for Technical Education	Active Member	F- 1186

PAPERS PRESENTED IN NATIONAL CONFERENCE:

Date	Venue	Paper Name	ISBN/ISSN if any	Conference Title
09 th May, 2023	Grace College of Engineering, Tuticorin	Overcoming Barriers For Designing Electrical Vehicles		National Convention of Electronics and Communication Engineers - 2023
30 th June, 2023	KPR Institute of Engineering and Technology, Coimbatore	Intuitive Electric Vehicle Utility Grid Aggregator Business Models Based on the G2V and V2G Technologies		National Conference on Innovations and Advancements in Electrical Sciences
15 - 16 February, 2024	National Institute of Technology Puducherry	SCS Algorithm based Electric Vehicle Charging in Smart Grid	ISBN No. 978-93-91977-49-8	Emerging Trends in Engineering and Technology 2024
30 th April, 2024	Grace College of Engineering, Tuticorin	Fingerprint based door lock using Arduino		Convergence Summit'24: Exploring Electronics and Communication, Artificial Intelligence and Data Science Frontiers
30 th April, 2024	Grace College of Engineering, Tuticorin	Neural Network enhanced smart charging solutions for Electric Vehicles		

PAPERS PRESENTED IN INTERNATIONAL CONFERENCE:

Date	Venue	Paper Name	ISBN/ISSN if any	Conference Title
20,21 February 2012	Baselios Mathews II College of Engineering, Kerala.	Fuzzy Controlled Switched Capacitor Based Resonant Converter With And Without Phase Shift	-	International Conference on Emerging Technology Trends in Advanced Engineering Research
11 th and 12 th May 2023	Rohini College of Engineering and Technology	Suggestions To Overcome Technological And Financial Barriers In Electric Vehicles	-	International Conference on Advanced Innovations in Engineering and Technology
2 nd March 2024	Eternal Scientific Publications, Trichy	Design and Analysis of Grid	-	International Conference on Emerging Engineering

		Connected Wind Turbine Model		Technology, Science & Humanities
2nd March 2024	Eternal Scientific Publications, Trichy	Energy Block chain in Power System	-	International Conference on Emerging Engineering Technology, Science & Humanities
26 & 27, April 2024	M.A.M. School of Engineering, Tiruchirappalli	Iot-Based Monitoring and Management System for Optimizing Solar Panel Performance		ICEAIST-24 International Conference on Exploring AI, IOT, Science & Technology-24
26 & 27, April 2024	M.A.M. School of Engineering, Tiruchirappalli	High Gain Active Switched Network-Based Boost Converter for Dc Microgrids: Hardware Design and Setup		ICEAIST-24 International Conference on Exploring AI, IOT, Science & Technology-24
26 & 27, April 2024	M.A.M. School of Engineering, Tiruchirappalli	Grid Stability Management Using MI and Block Chain		ICEAIST-24 International Conference on Exploring AI, IOT, Science & Technology-24

PAPERS PUBLISHED IN JOURNAL :

Title of the Paper	Authors	Name of the Journal	Volume Number & Page Number	ISBN/ ISSN if any	Year of Publication
Comparison Of PID And Fuzzy Controlled Switched Capacitor Based Resonant Converter With And Without Phase Shift	P.Melba Mary, R.Anand, P.Gayathri	International Journal of Research in Advanced Electronics -IJRAE	Vol 01, Issue 01	-	2012
FPA Based Active Power Control Of Photovoltaic System On Islanded Microgrid	M.Shanmu ga Priya, P.Gayathri	International Research Journal of Modernization in Engineering Technology and Science – IRJMETS	Vol 05, Issue 03	-	2023
IOT Based Monitoring And Control Of An Induction Motor Using SSR	M.Shanmu ga Priya, P.Gayathri	International Research Journal of Modernization in Engineering Technology and Science – IRJMETS	Vol 05, Issue 07	-	2023

Applications of Blockchain Technology in Modern Power Systems	Mrs. Gayathri P, Enigo Jeyaprasanth S	ESP Journal of Engineering & Technology Advancements	Volume 4 Issue 1	ISSN: 2583-2646	2024
IoT-Based Monitoring and Management System for Optimizing Solar Panel Performance	Mrs. Gayathri P, Dinesh M	ESP Journal of Engineering & Technology Advancements	Volume 4 Issue 1	ISSN: 2583-2646	2024
High Gain Active Switched Network-Based Boost Converter for Dc Microgrids: Hardware Design and Setup	Mrs. Gayathri P, Priyadarshini P	ESP Journal of Engineering & Technology Advancements	Volume 4 Issue 1	ISSN: 2583-2646	2024
Grid Stability Management Using ML and Block Chain	Mrs. Gayathri P, Enigo Jeyaprasanth S	ESP Journal of Engineering & Technology Advancements	Volume 4 Issue 1	ISSN: 2583-2646	2024

CERTIFICATIONS:

Course Name	Organizer	Score	Duration	Completion Status
Electrical Machines - II	NPTEL	40%	12 week course Jan-Apr 2019	successfully completed
Electric Vehicles – Part – I	NPTEL	46%	4 week course Jan – Feb 2023	successfully completed
EV - Vehicle Dynamics and Electric Motor Drives	NPTEL	53%	8 week course Jan-Mar 2024	successfully completed
Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	NPTEL	75%	8 week course Jul-Sep 2024	Elite + Silver

WORKSHOPS ATTENDED :

Workshop Title	Organizer	Date	Duration
Recent Research Techniques in Power System Engineering	National College of Engineering, Tirunelveli	10.08.2011	One Day

Loophole+” An Ethical Hacking	National College of Engineering, Tirunelveli	23.08.2012 & 24.08.2012.	Two Days
Aakash for Education	National College of Engineering, Tirunelveli	10.11.2012 & 11.11.2012.	Two Days
Analog Electronics	National College of Engineering, Tirunelveli	4 th to 14 th June, 2013	Two Weeks
Control Systems	National College of Engineering, Tirunelveli	2 nd to 12 th December, 2014	Two Weeks
PLC & SCADA	iTech Academy	27.01.2020 to 06.02.2020	Two Weeks
Simulation of Power Converters using Matlab - Simulink	Sri Sivasubramaniya Nadar College of Engineering	1 st & 2 nd August, 2022	Two Days
Opportunities and Challenges in IT Sector: Software Mastery Boot camp – Unlock your Potential	G.Pulla Reddy Engineering College	6 th to 11 th March, 2023	One Week
SPSS (Statistical Package for the Social Sciences) in Research	Star International Foundation for Research and Education	26.12.2023 to 30.12.2023	5 Days

Faculty Development Program(FDP)

Title	Organizer	Date	Duration
Neural Network and Fuzzy Logic Control	National College of Engineering, Tirunelveli	20.11.2009 & 21.11.2009	Two Days
EE8391 – Electromagnetic Theory	KPR institute of Engineering & Technology, Coimbatore	14.06.2021 to 19.06.2021	Six Day
Innovation, Incubation, Startups & Research Challenges in India	SRM Institute of Science and Technology	28th June 2021 to 2nd July 2021	Five Days
Emerging Trends In Advanced Materials & Manufacturing Processes	Kakatiya Institute of Technology & Science, Warangal, Telangana	12/07/2021 to 16/07/2021	One-Week
Emerging Technologies in Renewable Energy for Sustainable Development	RVS College of Engineering and Technology	23rd -27th August, 2022.	Five Days
Embedded System Design – Board Design & Debug	Ingage Technologies for Naan Mudhalvan Program	13th – 17th February, 2023	Five Days
Electric Vehicle Drive System	Jerusalem College of Engineering	27th February – 4th March, 2023	One Week
Electric Vehicles – Part – I	NPTEL - AICTE	Jan – Feb 2023	Four Weeks

Role of Electric Vehicles in Shaping Sustainable Transportation Systems	Sathyabama Institute of Science and Technology	3rd to 8th July 2023	Six Days
Challenges and Opportunity in Electric Vehicle	K.S.R. College of Engineering, Tiruchengode	09.10.2023 to 14.10.2023	One Week
Electric Power Grid Modernization Trends Challenges and Opportunities	PSN College of Engineering and Technology	27-05-2024 to 31-05-2024	Five Days
Harnessing Artificial Intelligence for Healthcare Excellence: Innovations, Insights and Impacts	SRM Institute of Science and Technology, Ramapuram	24 th to 29 th June 2024	Six Days
Ethical Issues in Research Writing	Regional College for Education Research and Technology, Jaipur (a unit of deepshikha group of colleges) and University of Technology, Jaipur	September 11 – 16, 2024	Six Days
Advanced AI tools for preparing Research Papers	Sasi Institute of Technology and Engineering	November 8 & 9, 2024	Two Days
Ethics and Values for Teaching Professionals and Administrators	Rani Anna Government College for Women, Tirunelveli and Globethics Academy, Geneva, Switzerland	22 to 29 November, 2024	Seven Days
Design Thinking and Sustainable Innovation in Green Communication Systems towards SDG Goals	SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES (AICTE Training and Learning (ATAL) Academy FDP)	09/12/2024 to 14/12/2024	Six Days
Effective Research and Proposal Writing Strategies	Innova World Research Training Centre	09.12.2024 to 21.12.2024	Two week
The Electric Horizon: Driving Towards a Sustainable Future	Dr. G. U. Pope College of Engineering	20 th December 2024	Two Hours

Short Term Training Programme(STTP)

Title	Organizer	Date	Duration
Electric Power System	National College of Engineering, Tirunelveli	12th June to 15th July, 2017	Two Weeks
Emerging Technologies in Electric Vehicles	Bapatla Engineering College, Bapatla	02nd -14th August, 2021	Two Weeks

WEBINAR

Title	Organizer	Date	Duration
Industrial Automation And Industry 4.0	DMI College of Engineering, Chennai	02.07.2021	One Day
Power Systems Protection in Smart Grid Environment	Dr.Mahalingam College of Engineering and Technology, Pollachi	06.07.2021	One Day

Recent Trends in EV Technology	DMI College of Engineering, Chennai	09.07.2021	One Day
MATLAB with Simulink & MATLAB with Machine Learning	DMI College of Engineering, Chennai	03.08.2021	One Day
Recent trends in Smart Grid	Arasu Engineering College, Kumbakonam	17.08.2021	One Day
Roadmap To Get A Quality Patent	DMI College of Engineering, Chennai	06.10.2021	One Day
Overview of MEMS and it's Recent Applications	DMI College of Engineering, Chennai	20.11.2021	One Day
Emerging Trends in Internet of Energy	PET Engineering College	25-01-2022	One Day
Problem Solving and Ideation	Entrepreneurship Development Cell of SCADCET	28.01.2022	One Day
LED manufacturing process	Nellai College of Engineering, Maruthakulam	02.04.2022	One Day
Electric Vehicle Systems – An Insight	The Institution of Engineers (India), Tiruchirappalli Local centre	07.02.2023	One Day
Cyber Security challenges for common man through Wind Turbine Generators	The Institution of Engineers (India), Tiruchirappalli Local centre	11.04.2023	One Day
Performance of Industry Sector	The Institution of Engineers (India), Tiruchirappalli Local centre	18.04.2023	One Day
Software Development Lifecycle (SDLC) for PLC/HMI	SRM TRP Engineering College, Trichy	16.03.2024	One Day
Machine to Machine Communication	IEEE student branch at Study World College of Engineering, Coimbatore	14.10.2024	One Day
Renewable Energy	Sardar Raja College of Engineering	09.11.2024	One Day
Transforming Higher Education with AI: Insights from NEP 2020	Holycross Engineering College	12/12/2024	One Day
Harmonics in Electric Power Systems - A Techno-Commercial Overview	IEEE Power and Energy Society, Madras Chapter & IEEE PES Student Chapter, SSN College of Engineering	December 21, 2024	One Day

Seminar

Title	Organizer	Date	Duration
Class Room Interaction	National College of Engineering, Tirunelveli	14.07.2009	One Day
Recent Development in Soft Energy Technology and Energy Expo-2012	National College of Engineering, Tirunelveli	26.07.2012	One Day
Recent Development on Optimization Techniques In Electrical Systems	National College of Engineering, Tirunelveli	12.11.2013	One Day

Sustainable Nuclear Energy Development and its Ecological Safety	National College of Engineering, Tirunelveli	18.02.2016	One Day
Importance of Conservation of Energy & Resources	National College of Engineering, Tirunelveli	20.06.2018	One Day
IP awareness / Training program under National Intellectual Property Awareness Mission	Intellectual Property Office, India	June 30, 2023	One Day

BOOKS AUTHORED:

Title of the Book	Authors	Publishers	ISBN/ISSN if any	Year of Publication
-	-	-	-	-

Resource Person

Title	Venue	Date	Duration
-	-	-	-

JURY

Event	Venue	Date
-	-	-

Patent Publication: Nil

Blood Donation: Nil

Publications:

In Journals:

National : Nil

International: 04

In Conferences:

National : 05

International : 04

Any other relevant information:

- Underwent two days training course on 'Internal Audit based on ISO 9001:2008' at National College of Engineering, Tirunelveli on 16.11.2012 and 17.11.2012.
- Underwent Online Innovation Ambassador (IA) training 'Foundation Level' by MoE's Innovation Cell & AICTE

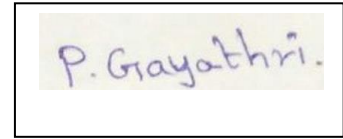
- Underwent Online Innovation Ambassador (IA) training ‘Advanced Level’ by MoE’s Innovation Cell & AICTE
- Completed 4 week course on “Electric Vehicles – Part – I” during Jan – Feb 2023
- ISO coordinator for Electrical and Electronics Engineering department.(ISO 9001:2009 Certified Internal Auditor).
- Class Advisor for UG & PG Classes.
- Acted as a Department Library Incharge & Lab Incharge
- Acted as a External Hall Superintendent in Anna University Theory Examinations
- Acted as a External Examiner for Anna University Practical Examinations
- Acted as an Anna University Representative in Anna University Theory Examinations
- Acted as a Department Exam Cell Incharge
- Acted as an Examiner in Anna University Central Valuation
- Acted as a Program Coordinator for Guest Lecture on “The Complex World of Classical Electromagnetics” held on 31.08.2018.
- Acted as a Staff Coordinator for Symposium EBULLIENTEEE 2K19 held on 07.03.2019.
- IEI Department Coordinator
- Acted as HOD incharge from 02.12.2020

100% RESULT

Sl. No	Subject Code	Subject Name	Year & Dept	BE /ME	Year	Regulation
1	EE8703	Renewable Energy Systems	IV EEE	BE	2022 (Odd Semester)	2017
2	PS4151	System Theory	I PSE	ME	2022 (Odd Semester)	2021
3	PS4202	Power System Dynamics	I PSE	ME	2022 (Even Semester)	2021
4	EE8016	Energy Management and Auditing	IV EEE	BE	2022 (Even Semester)	2017
5	PS4010	Advanced Power System Dynamics	II PSE	ME	2023 (Odd Semester)	2021

DECLARATION

I solemnly, hereby declare that the above-mentioned information is true to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

A rectangular box containing a handwritten signature in blue ink that reads "P. Gayathri." The signature is written on a light-colored, slightly textured background.

Signature of the Faculty