

SYED AMMAL ENGINEERING COLLEGE



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
An ISO 9001:2015 Certified Institution | (NBA Accredited UG Courses : CSE, EEE & MECH)
Dr. E.M. Abdullah Campus, Ramanathapuram - 623 502, Tamilnadu.



Mobile : 94873 04000, 84893 04000, 87548 88877 E-mail : office@syedengg.ac.in, saec@syedengg.ac.in Web: www.syedengg.ac.in

Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering was established in the year 1998. The department offers 4 years UG programme in B.E Electrical and Electronics Engineering and 2 years PG programme in M.E Embedded System Technologies. It has sophisticated infrastructure, excellent Machines, Embedded and Electronics laboratories, and Highly Qualified, Motivated and Experienced Faculty members to enhance the student's knowledge in their respective field.

Department Vision and Mission:

VISION

To be a centre of excellence in teaching and research in Electrical and Electronics Engineering, to produce highly skilled, excellent engineers who can serve the society.

MISSION

- Provide exemplary learning environment and quality professional education.
- Empower rural students with skills and knowledge for innovation through curricular, co-curricular and extracurricular activities.
- Providing ample opportunities to learn moral and ethical values to serve the society and nation.

Introduction:

Our departmental newsletter "News Letter of EEE 2021 - 22" facilitates our students and faculty members to publish their achievements and efforts. It provides a motivation to the juniors and classmates to "see and follow" the steps on the success path taken by their seniors. This also gives a reason to be proud of their classmates, seniors and faculty members.

"News Letter of EEE 2021- 22" reflects the success stories of our students and the faculty members. It is circulated to all students and faculty members containing information including placements, sport events, paper presentations, conferences etc.

Department Activities:

1. Department of Electrical and Electronics Engineering in association with IPR have organized Alumni Technical Convention on 25.09.2021. There are 65 students participated from Electrical and Electronics Engineering Department.
2. Er. T. Madhumalar (2012-2016 Batch), Assistant Professor, Electrical Engineering Department, U. V. Patel College of Engineering, Ganpat University, Gujarat, has delivered lecture on the topic of Advanced Reactive Power Compensation Techniquesl.
3. Er. Mohamed Rafiyudeen (2011-2014 Batch), Facilities management Engineer, ZMS Property Management, Abudhabi, UAE, has delivered lecture on the topic of - Role of Electrical Engineer in Facilities Managementll.
4. Department of Electrical and Electronics Engineering, Syed Ammal Engineering College, has organized a Webinar on - Energy Scenario in Tamilnadu on 21.08.2021 by Dr. S.Lakshmi Kanthan Bharathi, Associate Professor, Department of EEE, Mohamed Sathak Engineering College, Kilakarai.
5. Department of Electrical and Electronic Engineering, Syed Ammal Engineering College, Ramanathapuram has organized a Webinar on Energy Scenario in Tamilnadu on 04.09.2021 by Prof. K. A. Muthulakshmi, Assistant Professor, Department of ECE, Sri Bharathi Engineering College, Pudukottai.

Parent Teachers Meeting

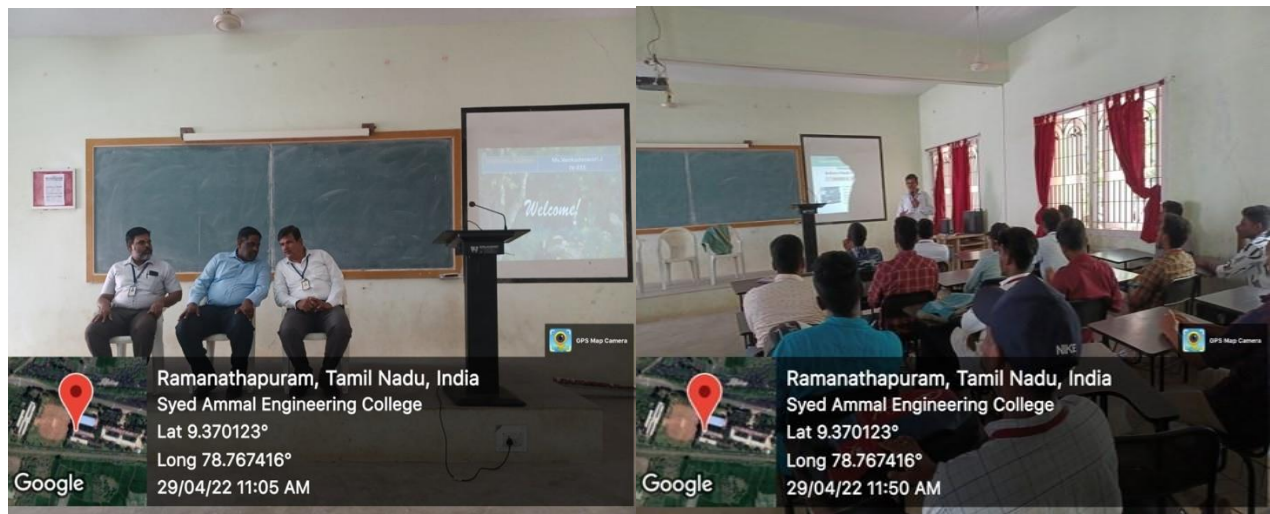
To redress the grievances of the parents and students, every year, we conduct parents and teachers Association Meeting. Parents Teachers Meeting for the academic year 2021-22 was conducted on 13.11.21 for II-, III- and IV-year students and on 22.01.22 for I year students in Google Meet Platform.

Paper Presentation/ Workshop/ Seminar and Symposium attended by the students:

Department of Electrical and Electronics Engineering, Syed Ammal Engineering College, Ramanathapuram has organized a workshop on “PCB Fabrication and Assembling” during 06.04.2022 to 09.04.2022. Resource Person: Er. T. Senthilkumar, Project Associate, Nikhitronics, Chennai.



Department of Electrical and Electronics Engineering, Syed Ammal Engineering College, Ramanathapuram has organized a workshop on “Arduino Hands on Training” during 29.04.2022 to 30.04.2022. Resource Person: Dr. G.S. Naganathan, Associate Professor/ EEE, Syed Ammal Engineering College, Ramanathapuram.



Department of Electrical and Electronics Engineering, Syed Ammal Engineering College, Ramanathapuram has organized a Guest Lecture seminar on “Introduction to Special Electrical Machines” on 01.06.2022. Resource Person: Dr. J. Gnanavadeivel, Associate Professor, Department of Electrical and Electronics Engineering, Mepco Schlenk Engineering College, Sivakasi.

Department of Electrical and Electronics Engineering, Syed Ammal Engineering College, Ramanathapuram has organized a workshop on “Introduction to Modelling and Simulation of Physical Models Using Labview” by Innovative Invaders, Coimbatore during 03.06.2022 to 04.06.2022.

Students Achievements in Technical and Non- Technical Competitions Conducted by other Colleges

S.No	Name of the Student	Year and Department	Programme	Date	Organized by
1.	Venkadeswari.J	IV EEE	District Level Elocution Competition	12.03.2022	State Minority Commission, Govt. of Tamilnadu

Faculty Activities:

Paper Published

S.No	Name of the Faculty	Designation and Department	Title of the Paper	Name of the Journal	Vol, No & Pages
1.	Dr. S. Selvaperumal	Professor & Head / EEE	Self-balancing vehicle based on adaptive neuro-fuzzy inference system.	Intelligent Automation & Soft Computing	vol. 34, no.1, pp. 485–497

Book Published

S.No	Name of the Faculty	Designation and Department	Name of the Book	Publication
1.	Dr.R.Nagarajan	Professor & Head/EEE	Secured and Optimal Routing with QoS in MANETS	LAMBERT Academic
2.	Dr.R.Nagarajan	Professor & Head / EEE	Techniques to improve the Lifetime of Wireless Sensor Network	LAMBERT Academic

FDP/ Workshops / Webinars Attended

S.No	Name of the Faculty	Designation and Department	Name of the FDP/ Workshop/ Webinars Attended	Duration	Organizing Institute
1.	Dr. G.S.Naganathan	Associate Professor / EEE	EE8019 Smart Grid	24.01.2022 to 29.01.2022	Mohamed Sathak Engineering College, Kilakarai
2.	Mr. Paul Jeyaraj	Assistant Professor / EEE	EC8652 Wireless Communication	24.01.2022 to 31.01.2022	Thiagarajar College of Engineering, Madurai
3.	Dr. P. Nedumal Pugazhenth	Associate Professor/ EEE	EE8019 Smart Grid	24.01.2022 to 29.01.2022	Mohamed Sathak Engineering College, Kilakarai
4.	Dr. G. S. Naganathan	Associate Professor /EEE	Research Challenges, Opportunities in Smart Grid with Integration of Electrical Vehicles	08.10.2021 to 12.10.2021	Vemu Institute of Technology, Chittoor, Andhra Pradesh
5.	Mr. M. Paul Jeyaraj	Assistant Professor/EEE	Special Electrical Machines	13.12.2021 to 18.12.2021	Christian College of Engineering and Technology, Oddanchatram, Tamilnadu

Placement and Training Cell

S.No.	Name Of the Candidate	Enrolment Number	Employee Name	Appointment Order Number
1	Deepan M	19EE001	Blueoshan: Hubspot's Marketing	Blue Oshan/2023/003
2	Durairaj M	19EE002	Just Connect Electricals Pvt Ltd, Chennai.	PHA/2023-3/ GAT/ SAEC RMD-01

3	Madhumitha S	19EE004	SL LUMAX	PHA/2023-3/ GAT/ SAEC RMD-02
4	Mohamed Ibrahim Gani J	19EE005	Blueoshan: Hubspot's Marketing	Blue Oshan/2023/005
5	Mohamed Ismail Z	19EE006	Just Connect Electricals Pvt. Ltd, Chennai.	PHA/2023-3/ GAT/ SAEC RMD-03
6	Rahul T	19EE007	Blueoshan: Hubspot's Marketing	Blue Oshan/2023/008
7	Rahul V	19EE008	Just Connect Electricals Pvt. Ltd, Chennai.	PHA/2023-3/ GAT/ SAEC RMD-04
8	Sanjaykar M	19EE009	Just Connect Electricals Pvt. Ltd, Chennai.	PHA/2023-3/ GAT/ SAEC RMD-05
9	Shibi Varshit P	19EE010	SL LUMAX	SLL/2023/AO-01
10	Sri Pragatheeswari S	19EE011	SL LUMAX	SLL/2023/AO-05
11	Suji M	19EE012	SL LUMAX	SLL/2023/AO-04
12	Jeyavel I	19EE013	Smart Ladders Marketing Solutions (Opc) Pvt. Ltd	RES-01-Int-2023
13	Sivakumar K	19EE014	Just Connect Electricals Pvt. Ltd, Chennai.	PHA/2023-3/ GAT/ SAEC RMD-06

NPTEL Training attended by teaching Staff:

Sl.No.	Name of the Faculty	Designation & Department	Title of the Program	Duration of Program	Institute
1.	Mr. P. Nedumal Pugazhenth	ASP / EEE	Linear Dynamical systems	January 2022 to March 2022	IIT Mandi
2.	Mr. P. Nedumal Pugazhenth	ASP / EEE	Analog Circuits	January 2022 to March 2022	IIT Mumbai
3.	Dr. G.S. Naganathan	Associate Professor, Department of EEE	Fuzzy Sets, Logic and Systems	12 Week (Jan - April 2022)	IIT Kanpur

4.	Mr. P. Nedumal Pugazhenthithi	Associate Professor, Department of EEE	Principles of Signals and Systems	12 Week (Jan- April 2022)	IIT Kanpur
5.	Mr. P. Nedumal Pugazhenthithi	Associate Professor, Department of EEE	Control Engineering	12 Week (Jan- April 2022)	IIT Madras
6.	Mr. P. Nedumal Pugazhenthithi	Associate Professor, Department of EEE	Sensors and Actuators	12 Week (Jan- April 2022)	IISC Bangalore

Number of Collaborative activities for research, Faculty exchange during the year

S.No.	Name of the faculty	Designation and Department	Resource Person/ Invited Lectures/Chair person	Date	Programme Name	Organized by
1.	Dr. S. Selvaperumal	Professor & Head/ EEE	Chief Guest	23.02.2022	Network Control, Computing, Communication with Cyber Security and Real Time Implementation of Physical Systems (ICNCCRPS 22)	V.S.B Engineering College, Karur
2.	Dr. S. Selvaperumal	Professor & Head/ EEE	Keynote Speaker	24.02.2022	Network Control, Computing, Communication with Cyber Security and Real Time Implementation of Physical Systems (ICNCCRPS 22)	V.S.B Engineering College, Karur
3.	Dr. S. Selvaperumal	Professor & Head/ EEE	Resource person	11.08.2021	Capacity building Programme for TWAD Board Officers & Staff on Energy Efficiency and Energy Conservation	Technical Training & Development Centre, TANGEDCO, Tiruchirappalli

4.	Mr P. Nedumal Pugazhenth	Associate Professor/EEE	Resource person	11.08.2021	Capacity building Programme for TWAD Board Officers & Staff on Energy Efficiency and Energy Conservation	Technical Training & Development Centre, Tamilnadu Generation and Distribution Corporation Ltd., (TANGEDCO), Tiruchirappalli
5.	Dr. G.S. Naganathan	Associate Professor/EEE	Resource person	11.08.2021	Capacity building Programme for TWAD Board Officers & Staff on Energy Efficiency and Energy Conservation	Technical Training & Development Centre, Tamilnadu Generation and Distribution Corporation Ltd., (TANGEDCO), Tiruchirappalli
6.	Dr. S. Selvaperumal	Professor & Head/ EEE	Primary Evaluator	-	Toycathon, 2021	Ministry of Education Innovation Cell, New Delhi.
7.	Mr.T.Arunprasath	Assistant Professor/EEE	Primary Evaluator	-	Toycathon, 2021	Ministry of Education Innovation Cell, New Delhi.

Dr.R.Nagarajan, Professor/ EEE has convened the Doctoral Committee Meetings for his scholars for the purpose of coursework approval and the details are given below.

S. No.	Date of DC Meeting	Scholar Details	Doctoral Committee members Details	Purpose of Meeting
1	05.10.2021	Ms.Saranya G, (Reg.No.21234797185), Part Time Ph.D. Research Scholar, Assistant Professor/ECE, Ganapathy Chettiar College of Engineering & Technology, Paramakudi	Dr.K.Selvaraj, Professor, Department of Information Technology, PSNA College of Engineering & Technology, Dindigul - 624 622 Dr.A.Amudha Professor, Department of Electrical and Electronics Engineering, Karpagam Academy of Higher Education, Coimbatore -641021	Course Work Approval

2.	04.03.2022	Ms.Kavitha M, (Reg.No.22244791350), Part Time Ph.D. Research Scholar, Assistant Professor/ECE, Ganapathy Chettiar College of Engineering & Technology, Paramakudi	Dr.K.Selvaraj, Professor, Department of Information Technology, PSNA College of Engineering & Technology, Dindigul - 624 622 Dr. G. Balasubramanian Senior Assistant Professor, School of Electrical and Electronics, SASTRA University, Thanjavur -613401	Course Work Approval
3.	11.03.2022	Mr.Kumaresan V, (Reg.No.22144791279), Part Time Ph.D. Research Scholar, Assistant Professor/ECE, St.Michael College of Engineering Kalayarkoil	Dr. S. Selvaperumal, Professor & Head, Department of Electrical and Electronics Engineering, Syed Ammal Engineering College, Ramanathapuram - 623 502 Dr. S.Geetha Professor, School of Computing Science & Engineering, VIT University, Chennai -600127	Course Work Approval

Conference Paper publications of Faculty members

Sl No	Author	Designation	Title of the Paper	Name of the Conference	Date	Organized by
1.	Dr. G.S.Naganathan	Associate Professor/ EEE	Power Supply Management for Hybrid Electric Vehicle Using Fuzzy Logic Controller	National Conference on Power Electronics and Drives 2022 (NCPED'22)	09.06.2022	Alagappa Chettiar Government College of Engineering & Technology

Patents

Sl.No.	Publication Details	Title of the Design Patent	Inventor Details
1.	The Patent Office Journal No. 22/2022 Dated 03/06/2022, Page:34964	Solar Biomass Integrated Crop Dryer	Dr.S.Selvaperumal, Professor & Head, Department of Electrical and Electronics Engineering

2.	Application No. 359639-001 Date of filed: 01.03.2022	Solar Biomass Integrated Crop Dryer	Dr. S. Selvaperumal, Professor & Head, Department of Electrical and Electronics Engineering
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Number of Teachers Recognized as Research Guides at Present

Sl.No	Number of Fulltime Teachers with PhD	Year of Obtaining PhD	Is the teacher still serving the institution / If not last year of the Faculty Service to the Institution	Whether Recognized as research Guide for PhD	Year of Recognition as research Guide
1.	Dr.S.Selvaperumal	2013	YES	YES	2013
2.	Dr.R.Nagarajan	2016	YES	YES	2018
3.	Dr.M.Senthil Kumar	2017	YES	YES	2017

Department Advisory Committee Meeting with the HOD and Faculty Members and the Invited Experts

The meeting of HOD, Faculty members of EEE Department, Academic Experts, alumni, Parents and invitees from industries was held on 09.07.2021 at 10.00 A.M at Board Room to draft the forthcoming academic activities of the Department. The minutes of meeting were sent to the committee members.