

Sri Sai Ram Engineering College

Department of Electrical and Electronics Engineering

1. Name :	Dr. F. PUNNYA PRIYA 
2. Designation:	ASSISTANT PROFESSOR
3. Qualification :	M.E, PhD.
4. Area of Specialization :	Power Electronics And Drives, Control Systems, Fuel Cell
5. Experience :	Teaching : UG: 14 years PG :NIL Industry :1 year, 6 months
6. No. of workshop : FDP attended :	WORKSHOP :- 8 NATIONAL CONFERENCE :-1 FDP :- 17
7. Publication :	Journal International : 2 Conference International :--1
8. Research Guidance :	NIL

9. Subjects Taken :	Digital Logic Circuits Measurements and Instrumentation Principles of Electrical Engineering Electrical Machines – I Electrical Machines – II Special Electrical Machines Control Systems Power System Analysis Power System Operation and Control Solid State Drives and Control
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RESEARCH TOPIC:

Investigations on Non-Linear Controllers of Fuel Cell fed Boost Converters

Faculty Development Program:

1. Attended three days national level online FDP on **“Successful Writing of a Research Paper in SCI/SCOPUS ABDC indexed journals with new Gen AI tools”** conducted by Digi Skill Development Centre and Training Institute, Mumbai, 29th June – 01st July 2025.
2. Attended one week international E-FDP on **“Emerging Trends in Electrical Engineering”** conducted by Department of EEE of B.S. Abdur Rahman Crescent Institute of Science and technology, 21st – 26th April 2025.
3. Attended five days FDP on **“Emerging EV Technologies”** conducted by Department of EEE of Sri SAIRAM Engineering Collge, 17th – 21st March 2025.
4. Attended six days FDP on **“Emerging Trends in Artificial Intelligence(AI): Innovation and Applications”** conducted by Department of CSE and AIMIL of Sri SAIRAM Engineering Collge, 16th – 21st Dec 2024.
5. Attended three days FDP on **“Virtual Labs”** conducted by PALS VLAB 2024-2025 initiative with NITK Surathkal, 22nd – 24th Oct 2024.
6. Attended one day Hands-On workshop on **“National Educational Policy 2020 – Technology Integration”** hosted by Scrollwell in collaboration with **Internal Quality Assurance Cell (IQAC) - Sri Sairam Engineering College on 12th March, 2024.**
7. Online Workshop on **“Accelerating Hydrogen and Fuel Cell Technology”** conducted by CFCT, **ARCI, Chennai – 8th Oct 2020.**
8. Received course completion certificate of **“Master controller and Embedded driver Development (MCUI)”** online course on 14th Oct 2020.
9. Attended one-week FDP on **“Emerging Power Conversion Techniques and Challenges in Renewable Energy Systems”** conducted by EEE dept., Nalla Malla Reddy Engineering College, 2nd – 6th June 2020.
10. Attended three days virtual FDP on **“Evolutionary Optimisation Techniques”** organised by EEE dept., SSN College of Engineering on 15th – 17th June 2020.

11. Attended two days training on “**Solving Multi-objective Optimisation Problems using Deterministic & Stochastic Algorithms**” conducted by CIT-TLC on 30th & 31st May 2020 by online mode.
12. Attended one day national level workshop on “**Design of Algorithms and Programming with dsPIC Microcontroller for High Power Electronics**” conducted by VIT Chennai, on 9th Feb, 2020.
13. Workshop on “**Make in India-Transforming Research to Reality**” at Anna University, Chennai – 5th Sep 2017.
14. Workshop on “**Scope for R&D Projects and Proposal Preparation**” at Anna University, Chennai – 12th May 2017.
15. **Springer Nature Author Workshop** at Anna University, Chennai – 27th Feb 2017.
16. Faculty Development Training Programme on “**Flexible AC Transmission Systems**” at SSN Engineering College – 30th Nov - 6th Dec 2011.
17. Faculty Development Programme on “**VLSI Design and Application**” at Panimalar Engineering College – 13th & 14th Nov 2006.
18. Workshop on **High Voltage Engineering** at Panimalar Engineering College – 15th Dec 2006.

Workshops/Trainings Attended:

1. Obtained “Certificate of Applied Proficiency” from **Wadhvani Foundation** on 7th August 2025 to implement entrepreneurship programs to engineering students to produce Start-Ups.
2. Completed six months “**Advanced Certificate Program in Electrical Vehicle Design**” conducted by iHUB Divya Sampark, at IIT, Roorkee in association with Intellipaath, 24th November – 28th May 2025.
3. Received NPTEL successfully completed certificate for 12 weeks course “Control Engineering” from Skill India for Jan-April 2025.
4. Completed 8 modules of **National Initiative for Technical Teachers Training (for Inductee Teacher) (NITTT) Scheme 2020** of AICTE.
5. Undergone Faculty Industrial Training Program at “**RRT Electro Power Ltd.**”, Alapakkam, Chennai – 1st June to 29th June 2024.
6. Completed one month internship on “**Electrical Vehicle Design**” at Pantech E-Learning Pvt. Ltd., Chennai – 28th June to 28th July 2023.
7. Completed online IEEE continuing education in “**Modeling and Simulation of Power Electronics**” – 20th July 2023.
8. Undergone “**Advanced Computer Training Course**” at CMC India Ltd., Chennai – 6th Aug to 15th Dec 2001.
9. Undergone “**Advanced Training in Technical Seminar cum Workshop on RF -Communication and EMI/EMC**” at Advanced Training Institute, Chennai – 12th July 2016.
10. Completed training in “**AC/DC drives & control of electric motors**” at Advanced Training Institute, Chennai – 10th Sep to 21st Sep 2001.
11. Completed Inplant training at **Ennore Thermal Power Station**, Chennai – 9th May to 19th May 2000.
12. Online Workshop on “**Accelerating Hydrogen and Fuel Cell Technology**” conducted by CFCT, ARCI, Chennai – 8th Oct 2020.
13. Received course completion certificate of “**Master controller and Embedded driver Development (MCUI)**” online course on 14th Oct 2020.
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16. Workshop on “**Make in India-Transforming Research to Reality**” at **Anna University**, Chennai – 5th Sep 2017.
17. Workshop on “**Scope for R&D Projects and Proposal Preparation**” at Anna University, Chennai – 12th May 2017.
18. **Springer Nature Author Workshop** at Anna University, Chennai – 27th Feb 2017.
19. Workshop on **High Voltage Engineering** at Panimalar Engineering College – 15th Dec 2006.

In-plant training:

1. Undergone Advanced Computer Training Course at CMC India Ltd., Chennai – 6th Aug to 15th Dec 2001.
2. Completed training in AC/DC drives & control of electric motors at Advanced Training Institute, Chennai – 10th Sep to 21st Sep 2001.
3. Completed Inplant training at Ennore Thermal Power Station, Chennai – 9th May to 19th May 2000.
4. Undergone Advanced Training in Technical Seminar cum Workshop on RF -Communication and EMI/EMC at Advanced Training Institute, Chennai – 12th July 2016.

Journal and Conferences:

1. “Feedback Linearisation Control of Boost Converter”, **F. Punnya Priya**, Dr. K. Latha, IEEE conference, 2019. doi:10.1109/ICICICT46008.2019.8993341.
2. “Improved dynamic performance of the fuel cell-fed boost converter using super twisting sliding mode control strategy”, **Punnya Priya. F**, Latha. K & Ramya. K 2024, IETE Journal of Research, vol. 70, no. 2, pp. 1755-1765, Impact Factor: 1.86.
3. “Analysis and implementation of feedback linearization controller for fuel cell-fed boost converter”, **Punnya Priya. F**, Latha. K & Ramya. K 2025, International Journal of Electronics, vol. 112, no. 2, pp. 370-389. Impact Factor: 1.46.

MEMBERSHIPS:

1. IEEE Membership Number: 99447404
2. IEEE Electron Devices Society Membership
3. IEEE Control Systems Society Membership
4. IEEE Power Electronics Society Membership
5. IEEE Sight Membership

PATENTS:

1. Published a patent on “Solar Based Vending Machine”, on 03/01/2025 (202441101294 A)