


Sri Sai Ram Engineering College

Department of Electrical and Electronics Engineering

1. Name :	PUNNYA PRIYA. F 
2. Designation:	ASSISTANT PROFESSOR
3. Qualification :	M.E, <u>PhD</u>
4. Area of Specialization :	Power Electronics And Drives, Control Systems, Fuel Cell
5. Experience :	Teaching : UG: 12 years PG :NIL Industry :1 year, 6 months
6. No. of workshop : FDP attended :	WORKSHOP :- 8 NATIONAL CONFERENCE :-1 FDP :- 6
7. Publication :	Journal National :-- International : 2 Conference National : 1 International :--
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
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RESEARCH TOPIC:

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

ACADEMIC QUALIFICATION:

S l. No.	Degree	Year of Passing	College	University	Specialization	Class Obtained	FullTime/ PartTime
1	PhD	Pursuing	College of Engineering, Guindy	Anna University	Electrical and Electronics Engineering	NA	Full Time
2.	M.E	2005	Satyabhama Institute of Science and Technology	Satyabhama University	Power Electronics and Industrial Drives	F W D	Fulltime
3.	B.E	2001	Karunya Institute of Technology	Bharathiar University	Electrical and Electronics Engineering	First Class	FullTime
4.	XII	1997	Northwick Girls Hr.Sec.School	State Board	Maths, Physics, Chemistry, Biology	First Class	FullTime

TEACHING EXPERIENCE:

S.No.	NAME OF THE POST	EMPLOYER	PERIOD OF EMPLOYMENT
1	Assistant Professor	Sri SAIRAM Engineering College	June 2023 – Till Date
2	Assistant Professor	Jawahar Engineering College	July 2013 – June 2016

3.	Assistant Professor	Panimalar Engineering College	June 2010 – May 2012
4.	Lecturer	Panimalar Engineering College	July 2005 – June 2010

INDUSTRIAL EXPERIENCE:

S.No.	NAME OF THE POST	EMPLOYER	PERIOD OF EMPLOYMENT
1	Training In-charge and Quality Control Engineer	Naveen Alarm Systems India Pvt. Ltd.,	Nov 2001 - May 2003

Faculty Development Program:

1. Attended six days FDP on “**Emerging Trends in Artificial Intelligence (AI): Innovations and Applications**” organised by CSE dept., Sri SAIRAM Engineering College on 16th – 21st December 2024.
2. Attended three days FDP on “**VIRTUAL LABS**” organised by PALS VLAB 2024 -25 initiative by NITK Surathkal on 22nd – 24th October 2024.
3. 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.
4. Attended three days virtual FDP on “**Evolutionary Optimisation Techniques**” organised by EEE dept., SSN College of Engineering on 15th – 17th June 2020.
5. Faculty Development Training Programme on “**Flexible AC Transmission Systems**” at SSN Engineering College – 30th Nov - 6th Dec 2011.
6. Faculty Development Programme on “**VLSI Design and Application**” at Panimalar Engineering College – 13th & 14th Nov 2006.

Workshops/Trainings Attended:

1. Online Workshop on “**Accelerating Hydrogen and Fuel Cell Technology**” conducted by CFCT, ARCI, Chennai – 8th Oct 2020.
2. Received course completion certificate of “**Master controller and Embedded driver Development (MCU1)**” online course on 14th Oct 2020.

3. 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.
4. 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.
5. Workshop on **“Make in India-Transforming Research to Reality”** at Anna University, Chennai – 5th Sep 2017.
6. Workshop on **“Scope for R&D Projects and Proposal Preparation”** at Anna University, Chennai – 12th May 2017.
7. **Springer Nature Author Workshop** at Anna University, Chennai – 27th Feb 2017.
8. Workshop on **High Voltage Engineering** at Panimalar Engineering College – 15th Dec 2006.

Conference Attended:

1. Have attended and presented a paper in **“International conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT-2019)”** held at Vimal Jyothi Engineering College, Kannur, Kerala, on July 5 & 6, 2019.

Other Duties:

1. **Machines Lab In-Charge** for the numerous times in Panimalar Engineering College and Jawahar Engineering College, Chennai.
2. Performed as **Class In-Charge and Counsellor** for the students.
3. Operated as Paper Evaluator in Anna University, Chennai.
4. Mentoring Engineering Students Projects.
5. Actively involved in all Departmental Activities like Technical Symposium, Industrial Visit, Educational Tours and Workshops.

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 2024, International Journal of Electronics, vol. 112, no. 2, pp. 1-20. **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 Circuits and Systems Society Membership
6. IEEE Solid State Circuits Society Membership
7. IEEE Photonics Society Membership
8. IEEE Reliability Society Membership

PATENTS:

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