


**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 : <b>UG:</b> 10 years, 11 months PG : NIL Industry : 1 year, 6 months
6. No. of workshop : FDP attended :	WORKSHOP : 6 INTERNATIONAL CONFERENCE : 1 FDP : 4 STTP:
7. Publication :	<b>Journal</b> National : -- International : 2 <b>Conference</b> National : -- International : 1
8. Research Guidance :	NIL
9. Staff Achievements:	<ol style="list-style-type: none"> <li>1. Have taken a lecture in a one-week training program on DFM (Design for Manufacturability) and DFA (Design for Assembly) at Lucas-TVS on 28/08/2018.</li> <li>2. Received “<b>Best Paper Award</b>” on “<b>Feedback Linearisation Control of Boost Converter</b>” in “International conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT-2019)” held at Vimal</li> </ol>

	<p>Jyothi Engineering College, Kannur, Kerala, on July 5 &amp; 6, 2019.</p> <p>3. Received certificate of appreciation from HoD-EEE, SRM Institute of Science and Technology, Ramapuram, Chennai for participating as <b>Guest Lecturer</b> on the topic “<b>Design of Controllers</b>” in national level control systems FDP, 21<sup>st</sup> July 2020.</p> <p>Awarded Cash Prize for securing 100% results &amp; achieving above 95% in various subjects.</p>
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### ACADEMIC QUALIFICATION:

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

### RESEARCH INTEREST:

Power Electronics and Drives, Controller Design, Fuel Cells.

### TEACHING EXPERIENCE:

S. No	NAME OF THE POST	EMPLOYER	PERIOD OF EMPLOYMENT
1	Assistant Professor	Jawahar Engineering College	July 2013 - June 2016
2	Assistant Professor	Panimalar Engineering College	June 2010 - May 2012
3.	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 one-week FDP on **“Emerging Power Conversion Techniques and Challenges in Renewable Energy Systems”** conducted by EEE dept., Nalla Malla Reddy Engineering College, 2<sup>nd</sup> – 6<sup>th</sup> June 2020.
2. Attended three days virtual FDP on **“Evolutionary Optimisation Techniques”** organised by EEE dept., SSN College of Engineering on 15<sup>th</sup> – 17<sup>th</sup> June 2020.
3. Faculty Development Training Programme on **“Flexible AC Transmission Systems”** at SSN Engineering College – 30<sup>th</sup> Nov - 6<sup>th</sup> Dec 2011.
4. Faculty Development Programme on **“VLSI Design and Application”** at Panimalar Engineering College – 13<sup>th</sup> & 14<sup>th</sup> Nov 2006.

#### **Workshops/Trainings Attended:**

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

3. Attended two days training on “**Solving Multi-objective Optimisation Problems using Deterministic & Stochastic Algorithms**” conducted by CIT-TLC on 30<sup>th</sup> & 31<sup>st</sup> 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 9<sup>th</sup> Feb, 2020.
5. Workshop on “**Make in India-Transforming Research to Reality**” at Anna University, Chennai – 5<sup>th</sup> Sep 2017.
6. Workshop on “**Scope for R&D Projects and Proposal Preparation**” at Anna University, Chennai – 12<sup>th</sup> May 2017.
7. **Springer Nature Author Workshop** at Anna University, Chennai – 27<sup>th</sup> Feb 2017.
8. Workshop on **High Voltage Engineering** at Panimalar Engineering College – 15<sup>th</sup> 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 – 6<sup>th</sup> Aug to 15<sup>th</sup> Dec 2001.
2. Completed training in AC/DC drives & control of electric motors at Advanced Training Institute, Chennai – 10<sup>th</sup> Sep to 21<sup>st</sup> Sep 2001.
3. Completed Inplant training at Ennore Thermal Power Station, Chennai – 9<sup>th</sup> May to 19<sup>th</sup> May 2000.
4. Undergone Advanced Training in Technical Seminar cum Workshop on RF -Communication and EMI/EMC at Advanced Training Institute, Chennai – 12<sup>th</sup> July 2016

### **Journal and Conferences:**

1. Punnya Priya, F., Latha, K., & Ramya, K. (2024). Improved dynamic performance of the fuel cell-fed boost converter using super twisting sliding mode control strategy. *IETE Journal of Research*, 70(2), 1755-1765. Impact Factor – 1.5  
DOI: <https://doi.org/10.1080/03772063.2023.2169776>
2. Punnya Priya, F., Latha, K., & Ramya, K. (2024). Analysis and implementation of feedback linearisation controller for fuel cell-fed boost converter. *International Journal of Electronics*, 1-20. Impact Factor – 1.3 DOI: <https://doi.org/10.1080/00207217.2024.2302339>
3. “Feedback Linearisation Control of Boost Converter”, F. Punnya Priya, K. Latha, IEEE conference, 2019. doi:10.1109/ICICICT46008.2019.8993341.

**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