

 <p style="text-align: center;">j=</p>	Name	SUNANTHA A
	Designation	ASSISTANT PROFESSOR
	Qualification	MTECH
	Professional Exp.	6 years
	Research Interests	Power electronics Devices, Power converters, Electric Vehicles

### DETAILS OF EXPERIENCE

S.No	Designation	Organization	Period		Duration
			From	To	
1.	Assistant Professor	ACE Engineering College	AUG 2017	Present	6 years
2.	Programmer Analyst	Cognizant Technology Solutions	AUG 2008	DEC 2011	3 years

#### Professional Synopsis

- 3 Years Experience in Industry – Software testing

#### Academic Credentials

- MTech (Power Electronics Specialization) from TIST (under Cochin University of Science and Technology), Cochin, Kerala, June 2016
- BTech. (Electrical & Electronics Engineering) from Government Engineering College, Thrissur, Kerala (under University of Calicut) ,June 2008

#### Core Competencies:

- ❖ Software's Known : MATLAB, PSPICE, RSCAD
- ❖ Programming Languages : C, C++

#### Job Profile:

To teach courses in the discipline area of electrical engineering. Develop and design curriculum plans to foster student learning. stimulate class discussions. and ensures student engagement. Provide tutoring and academic counseling to students, maintains classes related records, and assesses student coursework.

Key responsibilities include:

- Develop an course plan for the subject handled and ensure that it meets college and department standards
- Plan lessons and assignments
- Convey the subject matter and lectures to students in a creative way
- Evaluate the students individually to identify their weak areas.
- Ensure completion of syllabus within the given time frame.

List of Publications

**Journal Publications (National / International)**

S.No	Title with page nos.	Journal
1.	Design of Grid Interactive solar system for commercial building using Solar Pro Vol. 04, Conference 01, December 2022,pp. 115-120 DOI : <a href="https://www.doi.org/10.56726/IRJMETS-NCASCTE202209">https://www.doi.org/10.56726/IRJMETS-NCASCTE202209</a>	International research journal of modernization in engineering technology and science ( IRJMETS) ISSN: 2582-5208
2.	Design of energy storage system for standalone by using PVSYST Vol. 02, Conference 01, December 2022,pp 20-24 DOI : <a href="https://www.doi.org/10.58257/IJPREMS-NCASCTE202204">https://www.doi.org/10.58257/IJPREMS-NCASCTE202204</a>	International journal of progressive Research in engineering management and science (IJPREMS) e-ISSN : 2583-1062
3.	IoT based fault detection in a Transmission line, JETIR June 2022, Volume 9, Issue 6, pp. a553-a558	Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)
4.	Mobile charging system using coin and RFID Volume: 09 Issue: 05 ,May 2022 pp. 3453-3456	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056
5.	Industry Protection System Using NodeMCU and IoT Published in Volume 6 Issue 6 , June-2019 Date of Publication: 2019-06-05	Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)
6.	PLC Controlled Elevator System using XC1 PLC through Ladder Programming Volume 6 Issue 2 - Feb 2019	International Journal of Electrical and Electronics Engineering ISSN: 2348 – 8379

**List of Workshops / Short-term Courses / Conferences / Seminars / Attended**

<b>S.No</b>	<b>Name of the Conference /Short Term Course/ Work Shop</b>	<b>Organization Conducting</b>	<b>Place &amp; Year</b>
1.	Web tutorial program on “FUNDAMENTALS OF HIGH VOLTAGE ENGINEERING & ITS APPLICATIONS TO POWER SECTOR”	CENTRAL POWER RESEARCH INSTITUTE  Ultra High Voltage Research Laboratory  Hyderabad	Hyderabad , 09th Dec 2022
2.	National Conference on Engineering Applications of Artificial Intelligence (NCEAAI 2022)	AICTE sponsored	February 25th - 26 <sup>th</sup> ,2022
3.	NPTEL Online Certification in “Electric Vehicles –Part1”(4 weeks course)	NPTEL	Feb- March 2020
4.	NPTEL Online Certification in “Introduction to Research” (8 weeks course)	NPTEL	Feb- March 2020
5.	FDP on “Recent Trends in Power Electronics and Energy storage systems” From 10 <sup>th</sup> -14 <sup>th</sup> June 2020	Vardhaman College of Engineering	Online live Instructor led, June 2020
6.	One week Solar Training 20 <sup>th</sup> - 26 <sup>th</sup> April 2020	NSIC Hyderabad	Online live Instructor led, April 2020
7.	FDP on “SCILAB an open source substitute for MATLAB” From 25 <sup>th</sup> -30 <sup>th</sup> May 2020	JNTUH Sultanpur and Spoken Tutorial Project IIT Bombay	Online live Instructor led, May 2020
8.	FDP on “IPR Awareness and Patent Prosecution” From 6 <sup>th</sup> -10 <sup>th</sup> May 2020	CMR Engineering College	Online live Instructor led, May 2020
9.	FDP on “Machine learning using Python” From 21 <sup>st</sup> -29 <sup>th</sup> April 2020	E&ICT Academy IIT Rookee	Online live Instructor led, April 2020
10.	Three day National level workshop On Solar energy with smart control “SESC – 2019”,19 <sup>th</sup> - 21 <sup>st</sup> september 2019	Dept of EEE, ACE Engineering College	Ghatkesar,2019
11.	One week FDP on Applications of DSP techniques for Power Electronic System From 13 <sup>th</sup> -18 <sup>th</sup> May 2019	E&ICT Academy NIT Warangal	Warangal,2019
12.	Three day National level workshop On “Industrial Automation & Electrical Installations ,IAEI-2018” from 8 th -10 th August 2018.	Dept of EEE, ACE Engineering College	Ghatkesar,2018

Achievements:

University II<sup>nd</sup> Rank for M.TECH

Station:Hyderabad