

Sai Jyothi Pothumahanty

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Academic Qualification:

Course	Institution	Board/University	Year of Passing	Percentage/CGPA
Ph.D.	GITAM University, Vizag	GITAM	June 2022 (admitted)	Pursuing
Master of Technology (PSCA)	Gayatri Vidya Parishad College of Engineering (A)	Jawaharlal Nehru Technological University, Kakinada	2019	7.69/10
Bachelor of Technology (EEE)	Sai Ganapathi Engineering College	Jawaharlal Nehru Technological University, Kakinada	2017	75.93
Diploma (EEE)	Sai Ganapathi Polytechnic College	State Board of Technical Education and Training, A.P.	2014	87.8
10 th Class	Sree Krishna Grammar School	Secondary School Certificate	2011	86.3

Technical Expertise:

- MATLAB
- PSCAD

Academic Projects:

- Done a project on “High Voltage Direct Current Transmission” (HVDC).
- Done a project on “mitigation of power quality problems in a three- phase distribution system using unified power quality conditioner” (UPQC) (using MATLAB software).
- Done a project on “mitigation of power quality problems using photovoltaic-unified power quality conditioner (PV-UPQC) in a distribution system (using PSCAD software).

Industrial training:

Trained at A.P.E.P.D.C.L

Duration -6 months

In this Training I learnt about basic operations of power supply from local substations to end users.

Professional Experience:

- Worked as Assistant Professor in the Department of Electrical and Electronics Engineering at **Chaitanya Engineering College**, Visakhapatnam from Dec 2019 to Sep 2022
- Working as Assistant professor in the Department of Electrical and Electronics Engineering at **Gayatri Vidya Parishad college of Engineering for women**. Visakhapatnam since Sep 2022.

Publications:

- Published a paper on “**Mitigation of power quality problems using PV-UPQC in a distribution system**” IJCRT-VOL10-ISSUE 3 MARCH 2022, ISSN:2320-2882.

Online certification courses:

- A course on **Electric power systems, Matrix algebra for Engineers, Critical thinking skills for professional** conducted by coursera (4 weeks) with Elite grades during August-September 2022.
- A course on **Writing your world: finding yourself in the academic space, Grammar and Punctuation** conducted by coursera (4 weeks) with Elite grades during October 2022.
- A course on **Introduction to Power Electronics, Introduction to Artificial Intelligence (AI), Getting started with AI using IBM Watson** conducted by coursera (4 weeks) with Elite grades during December 2022.

NPTEL online certification:

- Successfully completed NPTEL online course on “Introduction to Research (8 Weeks course)” with Elite silver grade in 2022.

Programmes Attended:

- One Week National Level **Online FDP** on “**Real Time Aspects of Power System Scenario**” during 06.07.2020 to 10.07.2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
- One Week AICTE Training and Learning (ATAL) **Online FDP** on “**Energy Engineering**” from 28.12.2020 to 01.01.2021 at National Institute of Technology, Tiruchirappalli.

Co-Curricular Activities and Achievements:

- Organized events & fests and as student volunteer for one-week **STTP workshop** in Gayatri Vidya Parishad college of Engineering (A) in 2019.
- Participated in workshops and Debates conducted in college.
- Presented a paper on **Two-day National Conference on Electrical and Computer Engineering** 2020 in Andhra University college of Engineering (A).

Subjects Taught:

- DC machines and Transformers
- Induction & Synchronous machines

- Basic Electrical Engineering
- Switch gear & Protection
- Energy audit conservation management

Labs Handled:

- Control systems lab
- Power system and simulation lab
- Electrical Circuit Analysis lab

Areas of interest:

- Power quality
- Renewable energy applications.

B. Tech PROJECTS GUIDED:

- Generation of Electricity by using waste materials (Hard ware project)

Personal Details:

Date of Birth:09thmay, 1996.

Languages Known: Telugu, English

Family Background: Father: P. JagadeeshwaraRao, Mother: P. Sarada

Address:D.no-4-74, Street No-10, Sundar nagar, Near Shivalayam, Old dairy farm, Visakhapatnam-530040, A.P, INDIA

Declaration:

I hereby declare that all the information furnished above is true to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

(P. SAI JYOTHI)