



M. Pallavi, M.Tech.

E-mail Id: mahapallavi.m@gmail.com,

Mobile: +91-9701589559

Assistant Professor,
Department of Electrical and Electronics Engineering (EEE)
School of Engineering & Technology,
Sri Padmavati Mahila Visvavidyalayam,
Tirupati – 517502,
Andhra Pradesh, India.

Academic Credentials

Degree	University	Year	Specialization
M.Tech	JNTUA/SITAMS, Chittoor	2011	Electrical Power Engineering
B.Tech	Siddhartha institute of engineering & technology, Puttur	2007	Electrical and Electronics Engineering

Teaching Experience

Organization	Designation	Period
Sri Padmavati Mahila Visvavidyalayam, Tirupati	Assistant Professor	17-09-2012 to Till Date
Shree Institute of Engineering and Technology	Assistant Professor	08-06-2008 to 15-06-2009 & 12-09-2011 to 15-9-2012

S.No	Academic year	Application number	Title Of Patent	Date of published
1	2023-24	202341054392 A	Rechargeable LED Lighting System with Color Modulation, Multiple Illumination levels, and Ultrasound Pest Control	01-09-2023
2	2024-25	202441088889 A	Application Of Power Electronics In Solar Photovoltaic Systems	22-11-2024
3	2025-26	202541121918 A	Design and Development of Modular Multilevel Converter High Voltage Direct Current	02-01-2026

Publications and Presentations

Publications in referred journals	:	06
Seminars/Workshops Attended	:	12
FDP/Refresher Course/STTP Attended	:	10

Selected Key Publications

1. T. Rekha, M. Pallavi, **"COMBINATION OF ANFIS AND PI BASED ADD-ON CONTROLLER FOR UNBALANCED VOLTAGE COMPENSATION IN LOW VOLTAGE MICRO GRID"**, IJR, Vol.8, Issue 6, June-2019.
2. M. Chaithanya Lakshmi, M. Pallavi, **"WIND ENERGY CONVERSION SYSTEM BY USING PR-CONTROLLER"**, Journal of Automation & Systems Engineering, Vol.5, Issue 10, October 2018.
3. C. Vasavi, M. Pallavi, **"SOLAR PV- POWERED SRM DRIVE BASED ON FUZZY LOGIC CONTROLLER FOR EV'S WITH FLEXIBLE ENERGY CONTROL FUNCTIONS"**, IJRSET, Vol.6, Issue 8, August 2017.
4. P. Gouthami, M. Pallavi, **"DC/DC CONVERTERS USING FUZZY CONTROLLER IN HVDC WITH FAULT BLOCKING CAPABILITY"**, IJSETR, Vol.5, Issue 48, December-2016.
5. G. Swetha, M. Pallavi, **"AN EFFICIENT IMAGE ENHANCEMENT FOR DIGITAL IMAGES BY USING DISCRETE WAVELET TRANSFORMATION AND HAAR WAVELET"**, IJATIR, Vol.5, Issue 48, August-2015.
6. G. Swetha, M. Pallavi, **"ACCUMULATE AND ENERGY REDUCTION FOR EFFICIENT DIGITAL SIGNAL PROCESSING WITH RAZOR BASED PROGRAMMABLE TRUNCATED MULTIPLIER"**, IJSETR, Vol.4, Issue 29, August-2015.

Workshops/Seminars/Faculty Development Programmes Attended

- A One week National level on line Faculty development program on “Innovation to Academicians” conducted by NSTEDB on 11-05-2020 to 16-05-2020 .
- A National level E- Quiz on Power system conducted by GVIC engineering on 27th January-2020.
- A International level Webinar on “Current trends in Life Sciences ”conducted by SPMVV on 10th June-2020.
- A One week faculty development programme on “MATLAB and Simulink in Engineering Education”conducted by APSSDC on 10-6-2020 to 11-6-2020.
- Two day International level webinar on “Nutrition and Immune System support during COVID-19 ”conducted by SPMVV on 15th-16th , June-2020.
- A national level webinar on “Role of Spectroscopy in Material Science for Engineering applications” Conducted by SVCR Degree College on 17th June-2020.
- A national level webinar on “Holistic wellness in combating the COVID-19 Pandemic” conducted by SPMVV from 17-06-2020 to 21-6-2020.
- Two day faculty development programme on “Basic Article writing & Research Management Using Mendely” conducted by Annamalai University, on 22 June 2020.
- A Three Day national level online FDP “Present Control System in industry and research perspective” at SV College of Engineering and Technology on 21- 23 June-2020.
- A One Week faculty development programme on “Electrical Vehicles: New trends and Technologies” conducted SPMVV on 22 to 26th ,June -2020.
- A Three Day International Conference on “Combination of ANFIS and PI based ADD on Controller for unbalanced voltage compensation in low voltage micro grid” at SV University on 21- 23 June-2020.
- A Three Day International Conference on “ Control of Micro Grid connected in cascade with Frequency- P/Q droop Controlling Method ” at SV University on 21- 23 June-2020.
- A short term one week training programme through ICT mode on NBA Accreditation organized by Sri Padmavathi mahila visvavidyalaym on 22nd to 26th April-2019.
- A short term one week training programme through ICT mode on NBA Accreditation organized by Sri Padmavathi mahila visvavidyalaym on 22nd to 26th April-2019.
- A national level technocrat Fest conducted by school of engineering and technology at SPMVV on 3rd and 4th March-2018.
- Acted as a judge at national level technocrat Fest conducted by school of engineering and technology at SPMVV on 3rd and 4th March-2018.
- A Five Day faculty development programme on “Rural Immersion and community Engagement” conducted SPMVV on 16/11/2019 to 20/11/2019 .

B.Tech and M.Tech Project Works Supervised

M.Tech Dissertations guided : 8

B.Tech Project Work guided : 14

Courses Taught	
B.Tech	M.Tech
Basic electrical engineering	Power System-I
Electrical Technology	Electrical Machines -I
Power system operation & control	Electrical Distribution System
High Voltage DC Transmission	Circuits and Networks
Electrical Measurements	Power Semiconductor Drives
Renewable Energy Sources	Facts & HVDC
Electrical Circuit Analysis -I	Linear Control Systems

Administrative Positions

- Worked as the co-coordinator for EEE department in between 2013 to 2015
- worked as Alumini Committee member since 2015

Name of the Post	Name of the Institution where worked	Period with dates	Total Admin. Experience		
			DD	MM	YY
NSS PO	SPMVV	2024-2026		9	1
Departmental Virinchi Co-ordinator	SPMVV	2024-2025 & 2025-2026	5		
Organised Virinchi(Co-Convenor)	SPMVV	2023-2024	2		
Assistant Warden	SPMVV	31-8-2019 to 31-8-2020			1

I hereby declare that the above information is true to the best of my knowledge.

Date: 06.04.2026

Place: Tirupati



(M. PALLAVI)