



**K. SHALINI , M.Tech (Ph.D)**

**E-mail Id: [shalini.sheelu@gmail.com](mailto:shalini.sheelu@gmail.com), [shalini@spmvv.ac.in](mailto:shalini@spmvv.ac.in)**

**Mobile: +91-9493372875**

**Vidwan id : 591080**

**Orcid id : 0009-0002-0926-1269**

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
Ph.D	Sri Venkateswara University	Pursuing	Power Electronics and drives
M.Tech	Sri Venkateshwara College of Engineering & Technology , Chittoor	2013	Power Electronics And Electrical Drives
B.Tech	Srinivasa Institute of Technology And Studies, Chittoor	2011	Electrical and Electronics Engineering

#### *Teaching Experience*

Organization	Designation	Period
Sri Padmavati Mahila Visvavidyalayam, Tirupati	Assistant Professor	22-06-2017 to Till Date
Sri Venkateshwara University College of engineering, SVU, Tirupati	Teaching Assistant	25-08-2014 to 31-05-2016
Sri Venkateshwara College of Engineering & Technology, Chittoor	Assistant Professor	01-08-2013 to 20-08-2014

### Patent Details

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	202541116750 A	Photovoltaics Powered Hybrid Power Supply System For Off-Grid Disinfection Devices	19-12-2025

### Publications and Presentations

Publications in referred journals	: 10
No. of Patent Published	:03
Publications in International Conference	:06
Seminars/Workshops Attended/ FDP/Refresher Course/STTP Attended	:35

### Selected Key Publications

1. K.Shalini ,k.kumar,Rajasekarachari, S.R. Divya **“Advanced Five Level-Five Phase Cascaded Multilevel Inverter With SVPWM Algorithm”** paper in the “International Journal Of Electrical Engineering Technology (IJEET)”, volume 4, issue 4, July-august (2013), pp 144-158.
2. K.Shalini, **“Operation and Control of Converter Based Single Phase Distributed Generators in Utility Connected Grid”** paper in the “International Journal of Engineering and Computer Science (IJECS)”, ISSN 2319-7242, volume 6, issue 4 , April 2017.
3. Karthik, V.Divya , K.Shalini , **“Optimal Placement of Facts Device in a Series Compensated Long Transmission Line System”** paper in the “International Journal of Science & Engineering Development Research (IJSER)”, ISSN 2455 – 2631, volume 2, issue 5, April 2017.
4. V.divya, K.Shalini, Karthik, **“Analysis and Optimal Utilization of Series Inverter UPQC for Simultaneous Voltage Sag/Swell and Reactive Power Compensation”** paper in the “International Journal For Research in Applied Science & Engineering technology(IJRASET)”, volume 5 , issue 4, April 2017.
5. K.Bhavyasri, K.Shalini ,**“ A hybrid statcom with wide compensation range by using fuzzy logic controller for unbalanced loads”** , paper in “ International Journal of Engineering Sciences & Research Technology(IJESRT)”, ISSN 2277-9651, August 2017.
6. P.Sravani, K. Shalini , **“ Commutation torque ripple reduction using fuzzy logic controller in BLDC motor using modified sepic converter & 3 level NPC inverter”** paper in the “Journal of Emerging Technologies & Innovative Research(JETIR)”, ISSN 2349-5162, volume 5, issue 10, October 2018.
7. N.Sujani, K.Shalini , **“Control of MicroGrid connected in cascaded with frequency P/Q Droop Controlling Method”**, paper in “International Journal of Research (IJR), volume VIII , issue VI ,ISSN 2236-6124, June 2019.
8. M. Sowmya Sri, K. Shalini, **“Solar PV Powered SRM Drive for Evs with flexible energy control functions by ANFIS”** , paper in “ Muktsabd Journal”, ISSN 2347-3150, Feb 2021.

9. Chandragiri Usha, K. Shalini, **“Self-compensation with trapezoidal six step control of BLDC Motor for hoist applications”**, paper in “Design Engineering”, Issue: 8 ,Pages: 8024- 8034, ISSN 0011-9342, Oct 2021
- 10.K. Shalini, D. Narmitha, M.Pallavi, **“High Performance Reluctance Synchronous Motor Drive using Field Oriented Control”**, Paper in “Mathematical Statistician and Engineering Applications” Vol 71, ISSN 2094-0343, Aug 2022.

*B.Tech and M.Tech Project Works Supervised*

M.Tech Dissertations guided	:	05
B.Tech Project Works guided(batches)	:	20

*Administrative Positions*

- Worked as coordinator of MOOCS in 2017, EEE
- Member in admission committee since 2017
- Worked as assistant warden in the period of 01 08-2019 to 31-08-2020
- Worked as NSS Coordinator for unit XVI
- Working as a Nodal officer for DFAP
- Member in DST-CURIE-AI

*Courses Taught*

Network Analysis	Control Systems
Basic Electrical Engineering	Power Converters
Electrical Technology	Modern power semiconductor devices
Power semiconductor devices	Neural Networks and Fuzzy Control Systems
Power Electronics	Artificial Neural Networks
Electrical Machines III	Soft Computing Techniques
Electrical Circuits – I	Electrical Circuits-II
Power Electronics DC Drives	Microprocessor and Micro controllers
Electrical Measurements	Electrical safety

I hereby declare that the above information is true to the best of my knowledge.  
 Date: 06.04.2026  
 Place: Tirupati



(K.SHALINI)

