



# PRESILLA VASANTHINI K

ASSISTANT PROFESSOR

ELECTRICAL & ELECTRONICS ENGINEERING

## PROFILE

To contribute strategically to a dynamic organization through dedicated efforts. Utilize my technical knowledge and instructional expertise to deliver high-impact results. Pursue continuous learning to enhance both personal and professional capabilities. Adapt efficiently to emerging technologies and evolving organizational needs. Consistently demonstrate excellence, reliability, and commitment in all endeavors.

## WORK EXPERIENCE

Prince Shri Venkateshwara Padmavathy Engineering College  
Assistant Professor AUGUST 2024- PRESENT

Prince Shri Venkateshwara Padmavathy Engineering College  
Assistant Professor June 29, 2012 - December 31, 2019

- Delivered undergraduate courses such as Electromagnetic Fields, Basic Electrical Circuits, and Circuit Theory, fostering a strong foundational understanding among students through structured and outcome-based teaching methodologies.
- Supervised and guided laboratory sessions, facilitating experiential learning and ensuring effective application of theoretical concepts through hands-on experimentation.
- Authored and published scholarly articles in reputed national and international journals, contributing to research and innovation in the field of Electrical Engineering.
- Played an active role in institutional accreditation processes, including preparation and submission of documentation for NAAC and NBA, ensuring adherence to academic quality benchmarks and regulatory standards.

## EDUCATION

Master of Engineering 2010-2012

Power Electronics and Drives Anna University

MARKS OBTAINED : 81%

Bachelor of Engineering 2006-2010

Electrical and Electronics Engineering Anna University

MARKS OBTAINED : 76%

## CONTACT

✉ presiinvites@gmail.com

📍 Chennai, India

## SPECIALIZATION

- CIRCUIT ANALYSIS
- ELECTROMAGNETIC FIELDS
- ELECTRICAL MACHINES
- CONTROL SYSTEMS
- MEASUREMENTS & INSTRUMENTATION

## SKILLS

- PSPICE
- LTSPICE
- MATLAB
- WINDOWS 11

## LANGUAGES

- English
- Tamil

## PERSONAL DETAILS

Date of Birth: 19th March 1989

Gender: Female

Marital Status: Married

## **FACULTY DEVELOPMENT PROGRAMS:**

- 1. Semiconductor Materials and Manufacturing Technology: Driving the Semiconductor Ecosystem**
  - Organized by: AICTE-ATAL Academy & Assam Down Town University
  - Duration: 02<sup>nd</sup> – 07<sup>th</sup> December 2024
- 2. Emerging Trends and Technologies in Renewable Energy for Sustainable Development**
  - Organized by: AICTE-ATAL Academy & Prince Shri Venkateshwara Padmavathy Engineering College
  - Duration: 10<sup>th</sup> – 15<sup>th</sup> February 2025
- 3. Harnessing AI for Next Generation Communication and Electrical Technologies**
  - Organized by: DMI College of Engineering
  - Duration: 14<sup>th</sup> – 19<sup>th</sup> July 2025

## **PUBLICATIONS:**

- 1. Power Quality Enhancement by Modulated Power Filter Compensator in Low Voltage Distribution Wind Turbines - *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)***  
Volume 6, Issue 9, September 2017 | ISSN: 2319–8753 | Certificate No: V6I09C090
- 2. Investigation of Transient Stability for Variable Speed Wind Turbine Driving a Permanent Magnet Synchronous Generator**  
*IJIRSET – Volume 6, Issue 9, September 2017* | Certificate No: V6I09C088
- 3. Solar Powered Motor Application with Z-Source Inverter - *International Journal of Advance Research and Innovative Ideas in Education (IJARIE)***  
Volume 3, Issue 4, 2017 | ISSN: 2395-4396 | Paper ID: 6165
- 4. Multilevel Inverter with Three Stage Hybrid Cascading Using PWM Control Method**  
*IJARIE – Volume 3, Issue 4, 2017* | Paper ID: 6186
- 5. PSO for Management of Transmission Congestion in a Deregulated Power System**  
*IJARIE – Volume 3, Issue 4, 2017* | Paper ID: 6187
- 6. Underground Cable Fault Distance Locator Using IoT**  
*IJARIE – Volume 4, Issue 2, 2018* | Paper ID: 7926
- 7. Solar Tracking System with Automatic Panel Cooling Mechanism for Efficient Power Generation - *International Journal of Innovative Research in Technology (IJIRT)***  
*IJARIE - Volume 5, Issue 2, 2019* | Paper ID: 9786