



**Trivelli Shekhar Naidu**

**ASSISTANT PROFESSOR**

**ELECTRICAL ENGINEERING**




**M.TECH (INTEGRATED POWER SYSTEM), B.E (ELECTRICAL)**

#### PROFILE SNAPSHOT

*Committed College Professor employing creative teaching strategies to engage students fully in the learning process. Driven to inspire students to achieve personal and academic success. Accomplished Lecturer who effectively articulates information and responds honestly to questions from students. The area of research, writing and presentations revolve around emerging technologies in Renewable Energy Resources and Power System.*
















#### PROFESSIONAL EXPERIENCE

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-  **JSPM'S Bhivarabai Sawant Institute of Technology and Research, Wagholi, Pune**  
**ASSISTANT PROFESSOR**  
1<sup>st</sup> July 2024 till date
-  **St. Vincent Pallotti College of Engineering & Technology (An Autonomous Institution) (Nagpur)**  
**ASSISTANT PROFESSOR**  
1<sup>st</sup> Aug 2018 till date
-  **JD College of Engineering and Management (Nagpur)**  
**ASSISTANT PROFESSOR**  
2<sup>nd</sup> June 2014 - 31<sup>st</sup> Sep 2015

#### ROLES & RESPONSIBILITIES

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-  Visited at Kari Motor Speedways, Coimbatore with the **ASHWA RIDERS** for **Formula Bharat** from 19<sup>th</sup> to 25<sup>th</sup> January 2023 as a **Lady Faculty Advisor**.
-  **Guided UG Project** at the Department.
-  Worked under various capacities in **Exam Cell**.
-  Served under various capacities in **Admission Cell** of College.
-  Departmental Faculty Coordinator of **National Social Service Scheme**, Nagpur University.
-  Departmental Faculty Coordinator of **Unnat Bharat Abhiyan**.
-  Editor of Alumni **Newsletter** and Departmental **Magazines**.
-  Coordinator of several Robotic events at the **Tech-fest**.
-  **Mentor** and **Class Counselor/Teacher**.
-  Provided **Educational Consultancy**.
-  Conducted **Skill Development Program**.
-  Worked towards **Student's Internship** and **Placements**.
-  Served under various capacities while visit **NAAC/NBA/Autonomy** Team at College.
-  Served under various capacities in the **Alumni Cell**.
-  Organized **Industrial Visits** for Staff and Students.

## HIGHLIGHTS

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- ✚ Copyright of literary work on **"Basic Control Circuit for AC & DC motors using Relay Logic"** received.
- ✚ Applied for Copyright of literary work on **"Experimental Approach to PLC and SCADA Technologies"**.

## BOOK CHAPTER, PUBLICATIONS & CONFERENCES

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- ✚ A **book chapter** titled **"An overview of Induction motors with soft starts that have speed controls and monitoring systems"** published in a book titled Technological Innovations & Applications in Industry 4.0, Taylor and Francis, CRC press, eBook ISBN - 9781003567653
- ✚ Presented and published a paper on **"An overview of Induction motors with soft starts that have speed controls and monitoring systems"**, in International Conference on Technological Innovations & Applications In Industry 4.0: Challenges and way ahead held at SVP CET, Nagpur (MH) on 24<sup>th</sup> & 25<sup>th</sup> April 2024.
- ✚ **Reviewed** Technical papers & worked as an **Organizing Team member** at **Springer International Conference REEDev** conducted from 16<sup>th</sup> to 17<sup>th</sup> September 2022 at Department of Electrical Engineering, SVP CET, Nagpur.
- ✚ **"A Review on enhancing the performance of MPPT for single stage PV Grid connected System using Particle Swarm Optimization."** published at International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653, Volume 5, Issue VI, June, 2017.
- ✚ **"Power Quality Enhancement of MPPT for Single Stage PV-Grid Connected System Using PI Controller Distributed Particle Swarm Optimization (PI-DPSO)"** published at International Journal of Engineering Research and Management (IJERM) ISSN: 2349- 2058, Volume-04, Issue-06, June, 2017.
- ✚ **Won Best Paper Award for "A review on performance enhancement of Maximum Power Point Tracking for single PV Grid connected system using PSO"**, International Conference held at TGP CET, Nagpur (MH) on 17<sup>th</sup> & 18<sup>th</sup> February 2017.
- ✚ Paper with a title, **"Class participation an efficient means of collaborative teaching in Higher Education."** published in National Workshop on Collaborative teaching strategies for knowledge building & collective wisdom in higher education held at St. Aloysius Autonomous College, Jabalpur on 27<sup>th</sup> & 28<sup>th</sup> October 2017.
- ✚ Paper with a title, **"An urge to Academic auditing in Indian Higher Education System"** published in a National Conference on Academic Auditing in Higher Education held at, St. Aloysius Autonomous College, Jabalpur in the year 2016.

## STTPS & WORKSHOP ATTENDED/ORGANISED

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- ✚ Attended ATAL sponsored one week STTP on **"Electric Vehicle and Hydrogen Fuel cell vehicle"**. Organized by Department of Electrical Engineering, JSPM's Bhivarabai Sawant Institute of Technology and Research, Wagholi, Pune from 13<sup>th</sup> Jan 2025 to 18<sup>th</sup> Jan 2025.
- ✚ Attended ATAL sponsored one week STTP on **"Electric Vehicles: Technology, Power System, Energy Management, Testing and Certification"** organized by Department of Mechanical Engineering, PCCoE (Pimpri Chinchwad College of Engineering, Pune, Maharashtra from 23<sup>rd</sup> December 2024 until 28<sup>th</sup> December 2024.
- ✚ Coordinated Faculty Development Programme on **"Artificial Intelligence and Machine Learning"** organized by SVP CET under **Intel Unnati Programme** supported by **Intel Technologies Pvt. Ltd.** from 22 to 27 August 2022 (6days).
- ✚ Attended one week STTP on **"Role of Power Electronics & Advances in Infrastructure for e-Mobility in India"** organized by MNIT Jaipur and NIT Warangal from 11<sup>th</sup> to 19<sup>th</sup> July, 2022.
- ✚ Attended an Orientation Programme on **"Introduction to Electric Vehicle"**, conducted by AICTE, ISTE & SVP CET, Nagpur, from 14<sup>th</sup> to 21<sup>st</sup> March 2022.
- ✚ Attended a one week STTP on **"Renewable Energy Sources"**, conducted by AICTE & SVP CET, Nagpur, from 13<sup>th</sup> to 18<sup>th</sup> December 2021.
- ✚ Coordinated three days Short Term Training Program on **"Preparing Smart Videos with Animations using Power Point"** from 5<sup>th</sup> to 7<sup>th</sup> October 2020 in association with Institution of Engineers (India), Nagpur, Local Center
- ✚ Conducted Short Term Training Program on **"Applications of MATLAB in Mathematics, Science and Engineering-Basics of Curve Fitting toolbox in MATLAB (R2018a)"** from 5<sup>th</sup> to 7<sup>th</sup> October 2020 in association with Institution of Engineers (India), Nagpur, Local Center
- ✚ Attended AICTE sponsored One week STTP on **"Renewable Energy Recourses"** organized by SVP CET, from 18<sup>th</sup> to 23<sup>rd</sup> November 2019.

- ✚ Attended a one week National level Faculty Development Program on **“Deep Learning and Applications”** from 27<sup>th</sup> to 31<sup>st</sup> May 2019 organized by E&ICT Academies at IIT Roorkee, IIT Guwahati, MNIT Jaipur, IIT Patna, & PDPM IITDM, Jabalpur.
- ✚ Successfully completed AICTE approved FDP on **“Pedagogy for Online and Blender Teaching-Learning Process”** conducted by IIT Bombay from 30<sup>th</sup> October to 13<sup>th</sup> December 2018.
- ✚ Successfully completed AICTE approved FDP on **“Foundation Program in ICT for Education”** conducted by IIT Bombay from 13<sup>th</sup> September to 18<sup>th</sup> October 2018.

#### PROFESSIONAL BODY MEMBERSHIP

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Life member of Indian Society of Technical Education.

#### CONTACT DETAILS

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<https://in.linkedin.com/in/trivelli-naidu-133ab681>

**WEBSITE:**

<https://trivellinaidu.gnomio.com>

<http://electofunda.wordpress.com>

**YOUTUBE CHANNEL:**

Bleed Electrical

<https://youtu.be/WEQKtEWMLL4>