

Name: Prof. Jivan B. Patil

Designation: Assistant Professor

Qualification: M.E.(Electrical Engineering)

Age: 34 Years

Experience: 11.5 Years

E-mail: jivanpatil@orchidengg.ac.in



Area of Interest: Power System, Electrical Machine Design & FACTS

Publications:

1. International Conference: 01
2. National Conference: 02
3. International Journal: 07
4. National Journal: -Nil

Subject Taught:

- 1) Basic Electrical Engineering
- 2) Fundamental of Electrical Engineering
- 3) Electrical Technology
- 4) Electrical Power Generation
- 5) Electrical Circuit and Network
- 6) Power Plant Engineering
- 7) Environmental Studies
- 8) Electrical Engineering
- 9) Electrical Machine Design
- 10) Signals and Systems
- 11) Testing and Maintenance of Electrical Equipment
- 12) Project Management
- 13) Extra High Voltage AC Transmission
- 14) Energy Audit and Conservation
- 15) Electrical Installation and Estimation
- 16) High Voltage Engineering
- 17) Entrepreneurship Essentials
- 18) Renewable Energy Systems
- 19) Application of Power Electronics to Power System
- 20) Electrical and Electronics Measurement
- 21) Flexible AC Transmission System
- 22) Testing, Maintenance and Commissioning of Electrical Equipment

Achievements:

- 1) Secured 1st Rank in University in M.E.
- 2) Secured 2nd Rank in University in B.E.

Project Guided:

- 1) Modelling and Design of Car Parking System using Arduino
- 2) Design of Wireless Electric Vehicle Charging System
- 3) Design and Software Development of Vaccine Management System using JAVA
- 4) Dual Axis solar Tacking System using Arduino
- 5) Automated 3 wheeler for physically challenged people
- 6) Solar Sprayer as an Agricultural Implementation
- 7) Crop Protection System using advanced arduino and IOT BLYNK APP Technology

Conferences / Publications/STTP / Workshops:

- 1) Research paper presented in Virtual mode on title "IOT Based Blind Stick With Voice Notification For Physically Challenged People" in the National Conference on Electrical Sciences – 2023 conducted by ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (Autonomous) New Boyanapalli, Rajampet, Annamaiah (Dt), Andhra Pradesh, India – 516 126
- 2) Research paper published on title "IOT Based Blind Stick With Voice Notification For Physically Challenged People" in Journal of Electronics Information Technology Science And Management ISSN NO : 0258-7982
- 3) Research paper presented & published on title "Open-Circuit Fault Diagnosis in VSI by Simple Direct Current Method" in Proceedings of National Conference on Recent Trends in Science and Advances in Engineering Organized by Fabtech Technical Campus, College of Engineering & Research, Sangola with International Journal of Innovations in Engineering Research and Technology [IJIERT] ISSN: 2394-3696 on date 30th June 2022.
- 4) Mr. Dipak R. Gavane, Prof. Chinalla Mallareddy, Prof. Jivan Patil, (2021) "Optimal Placement of Distributed Generation for Loss Reduction in Distribution System" Published in International Journal of Innovations in Engineering Research and Technology, March 2021
- 5) Mr. Basalingappa Katrabad, Prof. Chinalla Mallareddy, Prof. Jivan Patil (2020) "FCS-MPC Dynamic Reactive Power Control Using Hybrid Active Power Filter" Published in International Journal of Innovations in Engineering Research and Technology, May 2020.
- 6) Prof. Jivan Patil, Prof. Sharad Bhosale, Prof. Chinalla Mallareddy (2017), "Harmonic Minimization Using Shunt Active Filter by Using Different Controllers" Published in International Journal of Innovative and Emerging Research in Engineering, April 2017.
- 7) Jivan B. Patil, Chinalla Mallareddy, (2015), "Instantaneous Power and Current Strategies for Current Harmonics Cancellation Using Shunt Active Power Filter With PI and Fuzzy Logic Controllers" Presented at ICIEEE-15, Pune, India.
- 8) Jivan B. Patil, Chinalla Mallareddy, Sharad B. Bhosale, Shravankumar Akireddy (2015), Review paper on "Instantaneous Power and Current Strategies for Current Harmonics Cancellation Using Shunt Active Power Filter With PI and Fuzzy Logic Controllers" Published in journal IJIERT-15.
- 9) Presented a paper in Second National conference on Emerging Trends in Electrical & Electronics Engineering on "Transmission loss minimization using Advanced Unified Power Flow Controller" at VVP Solapur in Feb 2014.
- 10) Completed the AICTE-ISTE approved Orientation/Refresher Programme on "Innovative Teaching Learning Methods" held during 22-04-2021 to 28-04-2021 organized by VPKBIET, Baramati, Pune
- 11) Attended online training on "Energizing The Grid with Solar Energy" Conducted by Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore (M.P.) on 11th August 2020
- 12) Attended Webinar on "Indian culture beyond boundaries" organized by JAIN Deemed-to-be University, Jakkasandra Post, Kanakapura Taluk, Bangalor on 8th August 2020
- 13) Attended Webinar On "ELECTRICAL VEHICLE TECHNOLOGY- An outlook (Industry Perspective)" organised by RAJALAKSHMI ENGINEERING COLLEGE An Autonomous Institution Rajalakshmi Nagar, Thandalam on 4th August 2020
- 14) Attended FDP on "Modern Approach In Electrical Engineering" organized by MGM Poly. Aurangabad from 27-07-20 to 31-07-20.
- 15) Attended Webinar on "Recent trends in power management strategies for optimal operation of distributed energy resources in Micro grids" organized by Mahatma Gandhi Institute of Technology Hyderabad on 28th July 2020
- 16) Attended Webinar on Energy Scenario Updates & Energy Conservation organised by NBN Sinhgad School of Engineering, Ambegaon (Bk.), Pune – 411041 on 4th June 2020
- 17) Attended A live Webinar on "Effective role of teachers in Enhancing standards of Technical Education" Organized by the Department of EEE. Geethanjali Institute of Science and Technology, Nellore on 6th June 2020
- 18) Attended Webinar on "Research opportunities in agricultural pumping-Electricity conundrum in India" Organized by Nanasaheb Mahadik College Peth on 8th June 2020
- 19) Attended Webinar on engineering competitive exams GATE AND ESE by Arun Kumar, IIT Kharagpur on 22nd June 2020.
- 20) Attended 4 day FDP on "Technology Towards Common Man" organized by Sri Manakala Vinayagar Engineering college Puducherry from 10-06-20 to 13-06-20

- 21) Attended Online webinar "Emerging Power Electronics Converters and Technologies for E-Mobility Adaptations" organized by the "Department of Electrical & Electronics Engineering" of T.J.S Engineering College
- 22) Attended Two-days" workshop on "Virtual Lab Use for Electrical Machines and PLC " from 15/06/2020 to 16/06/2020 by SVERI Polytechnic Pandharpur
- 23) Attended Webinar on Renewable Energy - Opportunities & Challenges Post COVID-19 by NK Orchid College of Engg. & Tech. Solapur on 17th June 2020
- 24) Attended the webinar on "Question Paper Settings: OBE" organized by Electrical Engineering Department, ADCET, Ashta on 21 st June 2020
- 25) Attended FDP on "e-learning: Creating & Managing e-content" organised by V.V.P. Institute of Engg. & Tech., Solapur from 22nd June 2020 to 24th June 2020
- 26) Attended Online Workshop on "NAAC - Step by Step Process & Procedure" by Dr. R. VENKATESH BABU, VB ACADEMY on 12th July 2020
- 27) Attended Webinar on "Emerging Trends in Transformer Protection" by by Mr.S.Linga Karthik, Deputy Manager, Easun Tap Changers(P) Ltd, organised by Francis Xavier Engineering College, Tirunelveli on 18th July 2020
- 28) Attended FDP on "Virtual Training for Renewable Energy Systems" from 28-05- 2020 to 30-05-2020
- 29) Attended STTP on "Advanced Optimization Tools and Techniques for Researchers and Engineers" from 23-05-20 to 27-05-2020
- 30) Attended 2 days Faculty Development Training Programme on "Research Methodology" at Fabtech Technical Campus, College of Engineering & Research, Sangola in April 2018
- 31) Attended 1 day workshop on "Effective use of ICT tools for recording of lectures – A Practical Approach" at NKOCET, Solapur on 23rd Feb 2018

NPTEL Certified Course:

- 1) Completed 12 weeks NPTEL online Course (Jan-April 2023) of Subject "NPTEL course on "NBA Accreditation and Teaching and learning in Engineering (NATE)" conducted by Indian Institute of Science (IISc), Bangalore.
- 2) Completed 8 weeks NPTEL online Course (July-October 2022) of Subject "Accreditation And Outcome Based Learning" conducted by Indian Institute of Technology (IIT), Kharagpur with 76% (Silver Performance).
- 3) Completed 12 weeks NPTEL online Course (Jan-April 2019) of Subject "Principles of Signals Systems" conducted by Indian Institute of Technology (IIT), Kanpur with 60% (Elite Performance).