


SRES', Sanjivani College of Engineering, Kopargaon
(An Autonomous Institute affiliated to SPPU, Pune)

Staff Profile

Personal Information			
Name of Teaching Staff: Mrs. Poonam Dilip Daunde			
Designation: Assistant Professor			
Department: Electrical Engineering			
Date of joining: 26/08/2024			
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EDUCATION DETAILS			
Qualification	Specialization with Class or Grade	University	Year
UG	Electrical Engineering	SPPU, Pune.	2013
PG	Electrical Power Systems	SPPU, Pune.	2016
TOTAL EXPERIENCE IN YEARS			
Teaching:	12+ Years		
Industry:	03 Years		
RESEARCH AND PUBLICATIONS			
Author(s), Title of Article, Name of Journal, Volume (Issue), ISSN: xxxx-xxxx, pp:x-x, Month-Year [Download Link]			
<ol style="list-style-type: none"> 1. Poonam D. Daunde, Manik Hapse “A New Advanced Controlling Technique of PMSWG With Matrix Converter, IJRST JOURNALS. 2. Poonam D. Daunde, Rakesh Kumar Jha, Sachine Gaikwad “A Novel Approach to Design stator winding of synchronous generator, IJEET. 3. Poonam D. Daunde, Santosh Hurpade, Reactive Power Control in PMSWG Using Matrix Converter, ARDIGITECH INTERNATIONAL CONFERENCE 4. Poonam D. Daunde, Santosh Hurpade, An Advanced Power Control Technique in Wind Generation. GRD JOURNALS. 5. Poonam D. Daunde, Santosh Hurpade, Harmonic Reduction Technique in Alternator by Short Pitching Armature Winding. 			

PAPERS PRESENTED IN CONFERENCES

1. **Poonam D. Daunde**, Pangavhane Gaurav, Gunjal Darshan, “Development of A PLC-integrated stepper motor dosing system for precision and efficiency in chemical industry automation” ICIMA 2025.
2. **Poonam D. Daunde**, Ghige Onkar, “Design of stepper motor-based dosing system to enhanced accuracy and efficiency for chemical industry” CSNT2025 (VIT Bhopal) IEEE.
3. **Poonam D. Daunde**, Handi Mansi, “Load forecasting by Machine Learning” ICAAAIML 2025.
4. **Poonam D. Daunde**, A National Conference On “Advance Computing & Communication Technology”
5. **Poonam D. Daunde**, International Conference on Recent Trends in Computing
6. **Poonam D. Daunde**, A National Conference On “Research Methodology”
7. **Poonam D. Daunde**, A State Level Conference On “Power Electronic Applications in Renewable Energy System”

FACULTY DEVELOPMENT PROGRAMMES ATTENDED			
Name of the FDP / Workshop	Organization	Duration	Month-Year
Faculty Development Program on SAP: Trends & Integration across Industries	BOSCH Pune.	1 Day	June-2025
Solar PV Installation	NDMVP COE in association with BOSCH	5 Days	August-2025
Curriculum Design and development	NITTTR Bhopal	5 Days	January-2025
Outcome based education and Accreditation	NITTTR Bhopal	5 Days	March-2025
Mastering Research Excellence: AI assisted scientific writing and high impact publication)	Sanjivani College of Engineering, Kopargaon	5 Days	November-2024
Renewable Energy and Electric Vehicle Technology for Sustainable future	AICTE	5 Days	December 2024
Electrical Auto-CAD 2025	Electrical Dept (SCOE)	3 Days	April-2025
MATLAB Workshop	Electrical Dept (SCOE)	2 Days	May-2025
SWAYAM-NPTEL COURSE			
Ethics in Engineering	Swayam Course: -NPTEL	8 weeks (2 credit)	Jan-April 2025

PROFESSIONAL PROJECTS
1. Design and Development of a PLC-Integrated Stepper Motor Dosing System for Precision and Efficiency in Chemical Industry Automation
2. Development of multi-source Electric Vehicle charging station with integration of solar, plug-in, wireless charging and V2H capabilities
3. Design and Implementation of solar water heater system using parabolic trough collector and Molten salt for thermal energy storage
4. Design and Development of EV chargers and role of AI-ML in Electric Vehicle system
5. Project work on EV 4-wheeler ((ITHANOL plus battery charging))
6. Load forecasting by Machine Learning

PROFESSIONAL TRAINING
1. PLC & SCADA
2. Sensor Based Autonomous Robotics

