

CONTACT

Name: SHILPA MAROTI SURYAWANSHI

M. Tech CONTROL SYSTEM

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EDUCATION:

1. M. Tech (Control panel system) 2023-2025
Mahatma Basweshwar College of Engineering,
Ambejogai
CGPA- 8.90
2. B. Tech (Electrical Engineering) 2019-2023
Mahatma Basweshwar College of Engineering,
Ambejogai
CGPA- 8.39
3. HSC 2016-2018
Maharashtra Udaygiri Mahavidyalay, Udgir
Percentage- 57.27%
4. SSC 2015-2016
Shyamlal Memorial High School Udgir
Percentage - 82.40%

LANGUAGE KNOWN

- English
- Marathi
- Hindi

SHILPA MAROTI SURYAWANSHI



OBJECTIVE:

To get an opportunity where I can make the best of the best potential and contribute to the organization's growth.

CERTIFICATE:

An ISO 9001: -2015 certified Industrial Automation Engineer from "The World of Automation."

SKILLS SET:

- **Programmable Logic Controller (PLC)**
- Allen Bradley
- Siemens
- Mitsubishi
- Delta
- Supervisory Control and Data Acquisition (SCADA)
- Factory talk view Studio
- Human Machine Interface (HMI)

SOFT SKILLS

- Good in Oral and Written communication
- MS Office
- Reading informative books and reference materials
- Basic knowledge of c programming
- Core Java

PROJECTS:

A) FLOATING AUTOMATIC SUN TRACKING USING HYDRAULIC SYSTEM FOR SOLAR POWER PLANT

- This system will act on a floating system to reduce the consumption of land.
- Designed and developed a **floating solar power system** mounted on water bodies to optimize land utilization.
- Implemented an **automatic sun tracking mechanism** using a hydraulic system to maximize solar energy capture.
- Enhanced power generation efficiency by up to **40% compared to fixed solar panels**.
- Integrated mechanical and control systems for real-time panel movement based on sun position.

B) SOLAR POWERED WATER PUMPING SYSTEM WITH INDUCTION MOTOR FOR OFF-GRID APPLICATION

- Designed and implemented a **solar-powered water pumping system** for off-grid rural applications.
- Integrated **induction motor drive** with photovoltaic (PV) system for efficient water lifting.
- Developed a reliable and cost-effective solution for irrigation and remote water supply.
- Improved energy efficiency and reduced dependency on conventional grid electricity

EXPERIENCE:

- 1) 15 days of training in **Thermal Power Plant** at Parli tq. Parali dist. Beed
- 2) **Apprenticeship/Internship:** Maharashtra State Electricity Board (MSEB), Udgir, Dist. Latur

Duration: 1 Year (from 31ST July 2024 to 30th June 2025)

Field: Electrical Power Distribution and Maintenance

- 3) **Lecturer – Electrical Engineering : SVERI's**
College of Engineering, Pandharpur Duration: 8
Months (July 2025 – February 2026)

- Delivered lectures on core Electrical Engineering subjects to undergraduate students
- Prepared lesson plans, study materials, and conducted practical sessions to evaluate student performance through assignments, tests, and examinations
- Guided students in academic projects and laboratory work
- Participated in departmental activities, seminars, and curriculum development
- Maintained academic records and ensured adherence to institutional standards