

# Mahesh P. Kawarkhe

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## CONTACT

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## CAREER OBJECTIVES

*I want to succeed in an environment of growth and excellence to meet personal and organizational goals.*

## EDUCATION

### **B.E (Electrical Engineering)**

*Dr.Vithalrao Vikhe Patil College of  
Engineering, Ahmednagar With  
74.45%*

**June 2015 — May 2018**

### **Polytechnic (Electrical Engineering)**

*Government Polytechnic Malvan  
with 69.21%*

**June 2012 — May 2015**

### **S.S.C**

*New High School Goregaon  
With 81.23%*

**June 2009 — March 2010**

## FINAL YEAR PROJECT

- *Super Capacitor based Solar PV Hybrid system to improve the efficiency of System*
- *Solar battery charge controller with priority based load controlled*
- *IoT Based Solar Mobile Charging Station*

## SOFTWARE SPECIALIZATION

- *PVSyst*
- *Sketch-Up*
- *Helioscope*

## PROJECTS EXECUTED

- **Design and Installation of more than 1MWp+ Grid Connected Solar PV System**
- **DC Side and AC Side Testing of 1MWp+ Grid Connected Solar Power Plant**
- **Inspection of 275kWp PV Plant at GNIT College, Hyderabad**
- **Supervision and Project handled of 750kWp PV Plant at Pune**
- **Installation of more than 500 kWp Off-Grid Solar PV System at various government building in Maharashtra**

## INTERNSHIP

*>> Implant Training at 33/11 KV Substation with Grid Connected Solar 600 kWp Plant*

## CERTIFICATIONS

- NSDC Certified "Solar PV Installer" Electrical (QP No. - SGJ/Q0102) Level-4
- "Training of Trainers (TOT)", SCGJ (Skill Council for Green Jobs)
- "Rooftop Solar Photovoltaic Entrepreneur", the World Bank SUPRABHA

## ROLES AND RESPONSIBILITY

- Site Visit (Site Survey) and preparation report for the energy yield
- Preparation of Feasibility Report (For Clients)
- Preparing PVSyst and SketchUp Report for Feasibility, Technical and Non-Technical Presentation
- Designing and Installation of Grid Connected Solar PV System
- Quality inspection of the Ground Mounted Solar PV Power Plant and IV Characteristic by using PV Analyser
- Testing and Inspecting Installed Grid Connected PV Plants
- Cable Sizing and Cable Laying
- Solar PV Design, PV Module Selection, Inverter selection, String Size Selection
- Understanding Major components of DC and AC Side , Remote Monitoring
- DC system, DC Distribution box design, String combiner box design.
- IV Testing of Solar PV System by using Solar PV Analyser
- Making of BOM and SLD (Single Line Diagram)
- Design, Development and Installation of Solar Lab Equipment

## ACHIEVEMENTS

- Have conducted Seminar on "Solar Technology Introduction and Awareness" in Various Colleges across Maharashtra.
- Having the Experience of Installation of 1MWp+ Grid Connected Solar Power Plant.
- Conducted a Solar Training Program for Student and professionals in various Reputed Colleges across India.
- Trained more than **5000** Students in Solar Technology.
- Awarded with "Letter of Appreciation" for conducting Solar Training in Various colleges.

## WORK EXPERIENCE

### Urja Swaraj LLP

Project and Design Engineer

20 Sept. 2020 — currently working

### Sustainfy Energy LLP

Quality and Inspector Engineer on Solar PV Project

20 Jan 2020 — July 2020

### kWatt Solutions Pvt.ltd

Solar PV Technical Trainer

15 Jan 2018 — Jan 2020

## INTERESTS

- Solar PV Technology, Quality inspection of PV System
- Self-Sustainable and DC Energy Appliances

## STRENGTHS

- Good Learner
- Hardworking
- Enthusiastic

## DECLARATION

I hereby declare that all the information given above is true to the best of my Knowledge.

Place: Pune

Er.Mahesh Kawarkhe