



VIPINKUMAR SHRIRAM MESHRAM

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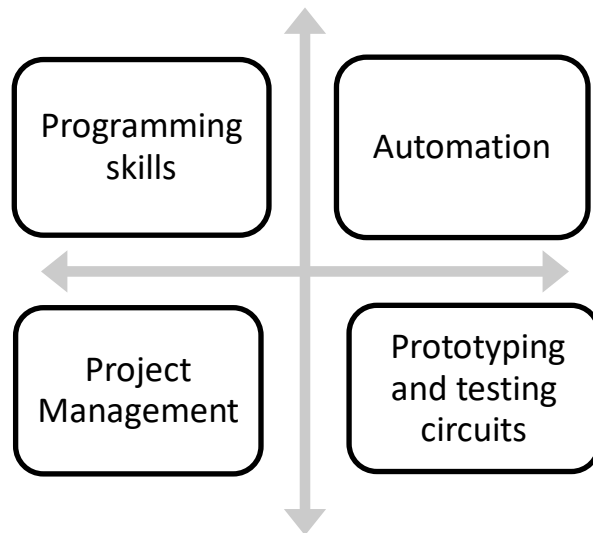
80, Satya Saibaba Society,
Dattawadi, Amravati road,
Nagpur-440023

PROFILE

Aiming to be a part of an organization of repute, and seeking challenging assignments in various fields, where I can demonstrate and showcase my qualities, leadership and teamwork and grow with the organization.

PROFILE SUMMARY

Growth-centered and technically-adept **M.Tech (Control system)** professional with over more than 5 and ½ years experience



- Proficient in Testing and Analysis of Electrical circuits and components.
- Highly skilled in Programming and PLC Automation software.
- Commitment driven team member with focused and innovative approach.
- Strong qualities of leadership, analytical skills, communication and inter personal skills.

PROFESSIONAL EXPERIENCE

Sir Visvesvaraya Institute of Technology (SVIT), Chincholi – June 2015 to May 2016, Assistant Professor

Key Responsibilities:

- Clarity over the control system basics.
- Guide over proper use of technology to support research
- Subject Taught- Network Analysis, Industrial Technology and Management

Key Responsibilities:

Guidance over-

- Subject Taught- Fundamental of Microcontroller and Application Control system , Programmable Logic Controller ,Electrical Measurement and Instrumentation. Electrical Installation maintenance and testing ,Industrial Technology and Management
- Training and placement coordinator, Career guidance cell coordinator ,Alumni cell coordinator, Entrepreneurship cell coordinator
- Different types of control systems and open-loop and closed-loop controls.
- Feedback control system and fuzzy logics.
- Logic, on-off and linear controls and physical implementation.
- Programming skills and languages.
- Electrical control system design software testing and experimentation.

Additional Responsibilities:

- Industrial control systems.
- Automation, IoT and Industry 4.0.
- Critical and Innovative approach for control strategies.
- Presentations and problem-solving over testing circuits and electrical components.
- Entrepreneurship guidance

PROJECT GUIDED

- Underground Cable Fault Detection
- Sensor less railway tracks health monitoring system
- High power transmission tower monitoring system using sensor and GSM
- Industrial Automation using IOT

ACADEMIC PROJECTS

M.Tech Project undertaken at M/s

Project: Design and implementation of SVPWM controller

Coverage: The distortion obtained in the Uninterruptible Power Supply (UPS) output due to increasing use of rectifiers in critical loads an effective strategy is needed to control the output of UPS system. Sinusoidal pulse width modulation (SPWM) and space vector pulse width modulation (SVPWM) are the most popular PWM techniques for three phase UPS system. As compared to SPWM, SVPWM is much effective in reducing harmonics and distortions caused by highly non linear loads. In this paper space vector based control strategy is presented for three phase UPS system that are operating under highly nonlinear load. The proposed controller generates gating signals and guarantees high quality output at the load. SIMULINK is used to design and analyze the controller for three phase ups system.

B.E Project undertaken at M/s

Project :Microcontroller based photovoltaic maximum power point tracking control system

Coverage:

The PV array output power delivered to a load can be maximized using Maximum Power Point Tracking Control System. The system consists of a high efficiency, Buck-type dc/dc converter and a microcontroller-based unit which controls the dc/dc converter directly from the PV array output power measurements. The efficiency of the Solar Photovoltaic System can be improved with the Maximum Power Point Tracking Control System

Technical Skills and Certifications

- Certified course on NON LINEAR STATE ESTIMATION from IIT MADRAS
- One week international workshop on PERSPECTIVES IN DYNAMICAL SYSTEMS AND CONTROL in IIT BOMBAY
- A certified course on MECHATRONICS jointly conducted by VJTI AND IIT BOMBAY
- A certified one week workshop on SMART GRID: PERSPECTIVES IN CYBER SECURITY at VJTI MUMBAI
- C Programming (Kanetkar Institute of Information Technology)
- Active participation in seminar on POWER PLANT FAMILIARISATION organized by NATIONAL POWER TRAINING INSTITUTE.

Faculty Development Program (FPD) Attended

- Perspectives in Linear Control Systems at VJTI ,Mumbai
- AICTE Training And Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" at Indian Institute of Information Technology, Nagpur.
- AICTE Training And Learning (ATAL) Academy Online FDP on "Nanotechnology" at VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR.
- One Week FDP on "Effective Proposal Writing for Research and Funding" at SITRC Nashik
- One Week FDP on Modern Trends in Electric Drives Organized by NIT Nagpur
- One Week FDP on Electric Vehicle Organized by JIT Nagpur

CREDENTIALS

- M.tech in electrical engineering with specialization in control systems from veermata jijabai technological institute (VJTI)
- B.E in ELECTRICAL AND POWER from Yeshwantrao Chavan College Of Engineering i