Umendra Bisen

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Education

Priyadarshini College of Engineering , Nagpur Bachelor of Technology in Electrical Engineering - 68.00 % (till 6th sem)	2022–2026
Kurvey's New Model High School and Junior College , Nagpur HSC - 60.00 %	2020–2022
Kurvey's New Model High School, Nagpur SSC - 79.00 %	2019–2020

Technical Skills

- **Software :** PLC , SCADA ,HMI , AutoCAD
- **Programming Languages :** C , C++, MATLAB
- **Core :** PCB Design , Trasformer Design , Panel Wiring

Experience

- **Maximum Solution** *(Control Panel Wiring and PLC Intern)* Dec 2024- Jan-2025
  1. **Objectives:** Worked with Respective mentors where I learned about the **industrial automation** and **hands-on experience in PLC programming** 2.Enhance my practical knowledge of **ladder logic, SCADA systems** , and real- time control applications .

- **Sunrise Infotech** *(Electrical AutoCAD)* June 2025- July2025
  1. **Objective:** To leverage **my hands-on experience** in Electrical AutoCAD design and drafting by applying technical skills in **single-line diagrams** ,wiring diagrams, **control panel layouts**, lighting , power distribution.
  2. **PLC wiring diagrams**, motor control circuits, load schedules, and with **switchgear design** accuracy using **symbol libraries** and **circuit analysis, and troubleshooting** .

- **Circuitcy Technology** *(PCB Design)* Jan 2024- Feb 2024
  1. **Objectives:** Acquired practical experience in **PCB design , power electronics components** , wiring , PCB layout and routing , soldering , and , **schematic diagram , IC connection and Implementation .**
  2. Hands-on skills in **component selection, measurement , testing, troubleshooting** , and compliance with **electrical standards** to deliver reliable and **efficient electronic systems**.

Projects

- **Electric Vehicles Fire protection System**
  1. To developan**industry-oriented s**ystem , addressing the critical problem of battery and fire hazards in EVs.
  2. To study various components used in project and its rating. testing implementation of the sensor circuit coding of the microcontroller .

- **Conveyor Belt**
  1. **Industrial automation** and lean **manufacturing processes** , by developing **optimize a PLC-based system .**
  2. To select different components of project and its rating , assemble components and its testing .

- **Touch Alarm**
  1. Aimed at enhancing **safety, automation, and real-time response** in industrial and domestic applications.
  2. To choose different parts of project and its rating , and to connects the components and testing .

Certifications and Achievements

- **Certifications :** PLC , Electric Vehicle , Matlab , Battery Techonology in EV , Power Electronic in EV , C , C++ , Sensing technique in embedded system , Electronics in Automotive system , Electric Trade .
- **WorkShop : Trasformer design , Electric Vehicle .**

Languages

- **Hindi , Marathi , English**