



PARTHIBAN N

CONTACT

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Parthi N

SKILLS

Plc programming (Beckhoff, Siemens)



HMI/SCADA development (Twincat3, wincc)



Instrumentation calibration & loop checking



Vfd & soft starter commissioning



Industrial sensors (Emfm, pressure, level, RTD, analyser)



Electrical panel & control panel trouble shooting



I/O mapping, FAT/SAT



Communication protocols (Modbus, profinet, rtu)



Control circuit Design & wiring verification



OBJECTIVE

Practical and hardworking automation and instrumentation engineer with experience in plc, electrical, instrumentation, able to work independently on field tasks, solve the issue quickly and support day to day operations, comfortable working with machines, panels, instruments and ensure smooth and safe commissioning work

EDUCATION

BE-Electrical and Electronics Engineering 2016-2020
Jai Shriram engineering College, Tiruppur
7/10

EXPERIENCE

PLC programmer 24-11-2021 - On going
WTT international pvt ltd

- Design, program, and configure PLC systems for automation equipment to meet operational needs.
- Create comprehensive documentation, including wiring diagrams, ladder logic, and I/O configurations, to support ongoing system management and troubleshooting.
- Collaborate with electrical and mechanical engineers to integrate PLCs into broader control systems, including SCADA and HMI interfaces

PROJECTS

PLC automation in ZLD plants (Globally done 9+ projects)

- I have done the projects in the field of **ZLD (Bio, mf, MBR, Ro)** in various capacity of plants such as **600kld upto 3 mld**
- Initial starting from **control panel plc wiring** checking with electrical diagram
- Piping and instrumentation diagram (**P&id**) based logic sequence creation (SOP) and develop the logics

LANGUAGES

Tamil(R-W-S)

English (R-W-S)

Kannada (s)

Hindi (s)

INTERESTS

Learning

Editing

Painting

- understanding of industrial **communication protocols** (e.g., Modbus, Profibus, Ethernet/IP).
- Strong proficiency in PLC programming, particularly with Beckhoff, Siemens
- **Fault diagnosis** and maintain the program

PROFESSIONAL EXPERIENCE

- Developed, tested and commissioned plc logic using Beckhoff, Siemens in the language of Ladder and ST
- Performed plc-vfd-hmi communication setup
- Conducted I/O mapping, signal validation and logic troubleshooting
- Installed, calibrated and commissioned sensors such as pressure, Emfm, temperature, RTD, analyser instruments
- Troubleshoot issues in control pneumatic valves, field instruments
- Troubleshoot motor circuits, relays, contactors, power supplies and protections
- Commissioning vfd's and configure motor parameters
- Ensured compliance with electrical safety and LOTO procedures
- Reviewed SLDS, wiring diagrams and control schematics

PERSONAL DETAILS

Father's name : Nagaraj M

Mother's name: Selvi N

Date of birth : 17-01-1999

Blood group : O+

Marital status : Unmarried