

CURRICULUM VITAE

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❖ **Career Overview:**

Electrical Engineer having 2 year and 9 months experience with strong educational background. Having work experience in Engineering, design & Estimation of low voltage Drawout/ Non-drawout panels for Steel, Chemical, Pharma industries, Metro Rails, Residential & Commercial buildings etc.

❖ **Technical & Software Skills:**

- Engineering Calculations (Busbar & Cable Sizing as per continuous & Short Time rating, Heat Load, Transformer Sizing, Panels Weight, Capacitor kVAr calculations)
- General Arrangement, Single & Three-line diagrams of LT Panel.
- Logical development for breaker interlockings, process plant etc.
- Protection device sizing, Cable Sizing, Busbar Sizing, Control Transformer Sizing.
- Softwares: ePlan Electric P8, Autocad, MS Excel, MS Office, Focus (ERP System) General Overview of ETAP.
- Technical Meetings, Overview of Specifications, Technical Bid, Coordination with Client.
- Basic knowledge of PLC Programming & Logical Development.

❖ **Work Experience:**

1. **Name Of The Organization: M/S. Samcon Industrial Controls Pvt. Ltd.**

Location: Asangaon

Designation: Electrical Design Engineer.

Duration: From Feb 2019 till now

Work Description:

- Preparing General Arrangement (GA) & Internal Arrangement (IGA) of panel according to Given IP (ingress protection), form of separation, operating height, Rating of Feeder etc.
- Preparation of Single Line Diagram (SLDs), Three Line Diagram & control wiring diagram for AMF panels, APFC panels, MCC, PCC, Feeder Pillars. It includes motor feeders (DOL starter, star delta starter, VFD starter, soft starters), IMCC feeders, power feeders (MCCBs, ACBs, MCBs, RCCBs, RCBO, ATS).
- Development of Logics for interlocking of numbers of incomers, Process Plant etc.
- Preparation of Bill of Material. It includes selection of switchgears, CTs, different kind of switches, lamps, meters, relays, controllers, sensors, Protection devices & other accessories
- Busbar size calculation according to the Fault Level, current density, temperature rise, material of busbar etc.
- Cable Size Calculation As per the Application of Cable, Fault Level, Permissible Voltage Drop, Current Density, Material of Conductor & Insulation type.

- Preparation of terminal board chart, interlocking diagram etc.
- Attending meetings with customers for technical discussions & Clarifications.
- Coordination with Manufacturing Process.

2. **Name Of The Organization: M/S. Manshu Comtel Pvt. Ltd.**

Location: Mahim (West).

Designation: Design & Estimation Engineer.

Duration: From JAN 2018 to Jan 2019

Work Description:

- Study/Review of tender documents, scope of work, drawings, BOQ, specifications, client requirements etc. for proper estimation of LT Panels.
- Preparing technical queries for discrepancy in drawing, specifications, and BOQ and communicating with clients for technical clarifications.
- Complete cost estimation of LT Panels as per customer requirement or as per given specification.
- Preparing General Arrangement (GA) of LT Panels such as PCC, MCC, PMCC, APFC Panel, Distribution Board etc.
- Preparing Three Line Diagram & control wiring diagram for power feeders, motor feeders, Bill of Material, Feeder list of LT Panels.
- Testing & troubleshooting of LT panels. It involves observation, Megger testing, HV testing & functional testing, Continuity testing etc.
- PLC logic development, programming, troubleshooting, commissioning on Site (Siemens, Renu Electronics, Allen Bradley).

❖ **Projects & Training:**

- ONGC, Ankleshwar- Drawout PMCC, MCC, APFC, DG AMF Panels
- Bharat Petroleum Bhawan, Mumbai- Energy Monitoring System & Control Panels.
- Nagpur Metro Rail Corporation, Nagpur- DDC & PLC Panels
- IMCC Panels in Chemical Industries.
- HVAC systems in Commercial, Residential Buildings, Malls & Complexes.
- Commissioning of Auto Mains failure & Automatic Load Sharing with interlocking using PLC at TAJ Aravali Resort & SPA, Udaipur using RS-485 communication (Modbus Protocol).
- BE Project: Automatic Drilling Machine with Depth Controllability.
A drilling Machine that can drill a hole of exact depth as per the input given to controller. Controller used is Arduino Mega. For precision & accuracy of hole a stepper motor is used.
- Summer Intern at Finolex Industries Limited, Ratnagiri, Pawas Road.

❖ **Educational background:**

QUALIFICATION	BOARD/ UNIVERSITY	YEAR OF PASSING	SCHOOL/ INSTITUTE	GRADE/%/ CGPI
B.E (Electrical)	Mumbai	May-17	VPM's MPCOE Velneswar, Ratnagiri	7.84 CGPI
T.Y. (Electrical)	Mumbai	May-16	VPM's MPCOE Velneswar, Ratnagiri	7.9 CGPI
S.Y.(Electrical)	Mumbai	May-15	VPM's MPCOE Velneswar, Ratnagiri	7.6 CGPI
Diploma	MSBTE	May-14	Govt Polytechnic, Malvan	77.71%
S.S.C	Maharashtra State Board	Mar-11	Shantadurga High School, Vadachapat	88%

❖ **PERSONAL DETAILS:**

- **Date of birth:** 18 June 1995.
- **Gender:** Male.
- **Marital status:** Unmarried.
- **Nationality:** Indian
- **Languages known:** English, Hindi & Marathi.
- **Hobbies:** Drawing, Swimming, Watching Movies, Playing Cricket.

❖ **DECLARATION:**

I hereby declare that the information furnished above is true to the best of my knowledge.

Place:

(Sarvesh Pramod Dongare