

# Vijayakumar M Javali

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## Objective

"To secure a challenging position where I can effectively contribute my skills as Project Engineer and also work for the good of the organization uplifting the organizational reputation".

## Professional Experience

- Overall, 7 years of India experience in INSTRUMENTATION/ELECTRICAL sector on DCS/PLC/FGS systems.
- In Bahrain work experience GCC 2018 To Till date, Work experience 5 years' Till date.
- Company : Yokogawa India Limited, Bangalore  
Period : March 2011 - Aug 2018  
Position Title : AutoCAD Design Engineer & Project Engineer,(EPLAN)
- Company : Yokogawa Middle East & Africa B.S.C (C)  
Period : 2018 - Till date. Currently I'm doing in Bahrain Hidd area  
Position Title : AutoCAD Design Engineer & Project Engineer,(EPLAN) home design

## Projects Handled

- Bapco Project And 5 CDU Project,CPEC Project
- THYSSENKRUPP ELECTRICAL STEEL - GAS PLANT DCS MMI UPGRADE.
- LINDE - PSC TAIF-NK NIZHNEKAMSK HPU.
- RSPL - DCS FOR SODA ASH PLANT.
- SOLVAY - DCS & SLS FOR SPARKLE 2 PROJECT.
- CAMPHOR AND ALLIED PRODUCTS – MPP (SCD) PROJECT.
- SAINT-GOBAIN CHENNAI FLOAT-5
- Egypt SOPC\_NewAsphalt
- Morocco JESA\_OCP\_DAPLines107\_DEF

## • Responsibilities:

- Preliminary Project engineering consisting of the following:
  - Preparation of IKOM checklist and MOM, KOM with EPC/End-user.
  - Preparation of KOM checklist.
  - Preparation of I/O assignment and Nest loading.
  - Preparation of System Architecture.
  - Preparation of project BOM/Quality Checklist.
  - Selection of Cabinet/Console, IO modules, Isolators, Barriers, Safety Relays.
  - Preparation of Typical loop Drawing.
  - Preparation of Signal Flow of Drawing/SLD
  - Preparation of power and heat calculation.



**Detailed design engineering consisting of the following:**

- Hardware freeze.
- Releasing of hardware PO to Vendor.
- Preparation of JB/Cable schedule.
- Co-ordination with client for modification, monthly progress review & meeting.
- Cabinet inspection and clearance for vendor.
- Quality audits /checklist during various phases of the project.
- Releasing Document to Cabinet Designing.
- Review the Cabinet Design.



**Detailed Pre-FAT, FAT consisting of:**

- Preparation Pre-Fat and Fat document.
- Involved in Pre-Fat and Fat.
- Cabinet Staging, Grounding and Visual inspection.
- Cabinet Power-up, Bill of Material / System Architecture Checks.
- Analog-Digital Loop Checks, Redundancy Checks.
- Preparation of Punch List document and Punch list clearance and Sign off.
- Quality Clearance, packing, Logistics requests and Shipment to site.
- Check cabinet Bill of Material and System Architecture.
- Preparation As built documents.
- Loop Drawing/Loop typical
- Cable routing Drawing



**TASK CARRIED OUT IN PROJECT:**

- Calculate the Board, Card & Terminal block quantity according to type & number of I/P Signals.
- Calculate the Rating of MCB, Fuse & Bus bar according to number of Boards & Scope of supply.
- Generation of GA & IA of Cabinets, Typical Loops, Grounding scheme, System configuration & Control room layout (Using for AUTO CADD)
- Preparation of Panel bill of materials.
- Estimate the length of PREFAB, CAT5E cable.
- Conducting Pre-FAT (Pre-Factory Acceptance Test) & preparation of punch points observed during the
- Remote Site Support for Commissioning of the project.

Position Title : **DCS FGS ESD SCADA PLC Control System design Engineer Document controller**

**System Engineer Responsibilities:**

- System configuration in FAT area.
- Subsystem generation

**Education**

- **Diploma (ME/IE)**
- **ITI (Draughtsman)**

**Strength**



Interaction with the end-user/consultant, preparation for basic design spec for hardware.



Interact with clients to understand their specific requirements and execute projects accordingly.

- Detail engineering including FRONT Loading, IOM Loading, open loop, closed loop generation.
- Conduct **Pre FAT/ Factory acceptance Tests with end-users/consultants.**
- P & ID Verification.

### Skills

- Operating Systems : Microsoft Windows 7, 10/Vista/ 7/8.
- Office Tools : Microsoft-office (2003-2016).
- Yokogawa Tools : Centum VP, Generic Reporting Tool (GRT)
- Industrial Tool : Auto Cad 2007 TO 2021, Solid Edge 2D, EPLAN,bricks cad, nano cad  
SketchUp Pro & Style Builder. ALL MS ACCESS OBJECTS REPORT  
ELCAD - AUCOPLAN 2018 and smart plant instrumentation.

### Personal Particular

Date of Birth : 17<sup>th</sup>-JUN-1992

Father's name : Malakajappa

Nationality : Indian

Gender : Male

Marital Status : Marriage

Passport No : Z7069082 (Date.03-11-2022 to 02-11-2032)

Baharan CPR : 920647804

Languages Known : English, Hindi, Kannada, Tamil and Telugu

### Declaration

I hereby, declare that all the above information's provided by me are correct up to the best of my knowledge & I bear the responsibility for the correctness of the above-mentioned particulars.

**Vijayakumar M Javali**

(Signature)

Date:

Place: