

# PRANAY JADHAV

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## Objective:

I desire a challenging and expanding opportunity as an Instrumentation engineer in your esteemed organization for better advancement in my career and serve your company at the best of my ability which utilizes my technical ability towards achieving the goals of the organization.

## Profile Summary:

- **Bachelor's in Engineering Instrumentation with 4 years 2 months of experience as an Instrumentation Design Engineer.**
- Presently working as **Instrumentation Design Engineer at Burns & McDonnell Engineering India Private Limited, Mumbai.**
- **Experience in handling detailed engineering and design activities for field instrumentation, all modules of Intools (SPI-SmartPlant Intools), wiring in Intools, Preparation of Instrument Index and perform Technical Bid Evaluation for Field Instruments, preparation of Field Instrument / Flow element / Transmitter/ gauges, Specification Sheets, Preparation of engineering calculations for flow elements, Review and comment on Vendor documents for various Instruments, Interface engineering activities involving review of P&ID and Instrument Location plans, preparation of Cable Schedule, JB Schedule, Instrument Loop Diagram**
- **Excellent relationship management, communication skills with the ability to network with project members.**

## Work Experience & Projects Handled:

- 1<sup>st</sup> July 2014- till date, Instrumentation Design Engineer (Grade II) with Burns & McDonnell India.

### **Key Projects Handled:**

#### **PROJECT NAME: PHILLIPS 66**

**Tight Oil Processing Flexibility Project**

**Ponca City (USA)**

**(From September 2014 till December 2014)**

- **Nature of Work :**
  - Preparation of Instrument Index in SPI
  - Preparation of Datasheet in SPI - Pressure Gauge, Orifice, Flowtransmitter.
  - Sizing: Orifice (In Instrument Toolkit)

- Thermo well calculation (In Wika Sizing tool)
- Preparation of Interconnection and Wiring Diagram SPI
- Review of vendor specifications to meet client requirements
- Acquainted with Instrumentation Engineering Software IN tools SPI

**PROJECT NAME: PHILLIPS 66**

**Unit 85-LPG Refrigeration Unit, Freeport Refinery  
Freeport, Texas (USA)  
(From October 2014 till June 2015)**

- **Nature of Work :**
  - Preparation of Instrument Index in SPI
  - Preparation of Datasheet in SPI - Pressure Gauge, Analyzer, Flow Elements, Flow transmitter, Level transmitter, Magnetic level Gauge, Temp. Elements, temp Transmitter, Pressure transmitter.
  - Sizing: Orifice (In Instrument Toolkit)  
Thermo well calculation (In Wika Sizing tool).
  - Instruments and JB grouping using layout.
  - Preparation of Procurement Specifications.
  - Technical Bid Evaluation of Vendor Offer.
  - Review of vendor specifications to meet client requirements
  - Co-ordinated activity for review of Location Layouts.
  - Preparation of Interconnection and Wiring Diagram in Auto CAD 2014.
  - Acquainted with Instrumentation Engineering Software Intools SPI for generating Instrument Project Deliverables.

**PROJECT NAME: PHILLIPS 66**

**Vacuum Improvements Project  
Billings, Montana (USA)  
(From July 2015 till July 2016)**

- **Nature of Work :**
  - Preparation of Instrument Index in SPI
  - Preparation of Datasheet in SPI - Pressure Gauge, Analyzer, Flow Elements, Flow transmitter, Level transmitter, Magnetic level Gauge, Temp. Elements, temp Transmitter, Pressure transmitter, Magnetic Flow meter, Temp. Gauge.
  - Sizing: Orifice (In Instrument Toolkit)  
Thermo well calculation (In Wika Sizing tool).
  - Preparation of Procurement Specifications.
  - Technical Bid Evaluation of Vendor Offer.
  - Review of vendor specifications to meet client requirements
  - Preparation of Interconnection and Wiring Diagram in SPI for conventional as well Foundation Fieldbus type instruments.

**PROJECT NAME: SABIC**

**Mt. Vernon Energy Partners  
Mt. Vernon, Indiana (USA)  
(From June 2016 till December 2016)**

- **Nature of Work :**
  - Preparation of Wiring Diagram in SPI.
  - Preparation of Loop Drawings in SPI.

**PROJECT NAME: Valero Refining Company**

**C4 Alkylation Unit  
Houston, Texas (USA)  
(From September 2016 till January 2016)**

- **Nature of Work :**
  - Preparation of Instrument Index in SPI
  - Preparation of Datasheet in SPI - Pressure Gauge, Flow transmitter, Level transmitter
  - Preparation of Procurement Specifications.
  - Technical Bid Evaluation of Vendor Offer.
  - Review of vendor specifications to meet client requirements
  - Review of Location Layouts & Loop drawings

**PROJECT NAME: Marathon Petroleum Company**

**Flare Consent Decree Project  
Canton, Ohio (USA)  
(From October 2016 till March 2016)**

- **Nature of Work :**
  - Preparation of Wiring Diagram in SPI.
  - Preparation of Loop Drawings in SPI.
  - Review of Location Layouts.
  - Compilation & updation of Loop folders.

**PROJECT NAME: ANDEAVOR**

**Naphtha Desulfurization Unit  
Mandan, North Dakota (USA)  
(From March 2017 till date)**

- **Nature of Work :**
  1. Front End Engineering Phase (FEED):
    - Preparation and Updation of Index in SPI.
    - Preparation of tubing Schedule.
    - Preparation of Control Narratives.

- Assignment of Specification form to instruments in SPI.
  - Assignment of Control work area and PR module to each instrument.
2. Detail Design Phase (DD):
- Preparation and Updation of Index in SPI.
  - Preparation of Datasheet in SPI - Pressure Gauge, Flow transmitter, Pressure Regulators.
  - Preparation of Wiring Diagram in SPI.
  - Preparation of Loop Drawings in SPI.
  - Review of Location Layouts.

### **Technical Expertise (IT Skills):**

- Smart Plant Instrumentation/Intools (SPI) – Version 2009, 2013 & 2016.
- AutoCAD 2014 and lower versions.
- MS Office 2003/07/10/13
- Adobe Acrobat Professional
- Blue Beam Viewer and Editor
- Autodesk-Naviswork Freedom 2014 Reviewer.

### **Strength:**

- Energetic and dynamic approach in all endeavors.
- Flexible to changes, experience in working under High Pressure Time Bound Projects.
- Reflect High standards of performance in any assignment through commitment & Teamspirit.
- Execution of Projects to the Benchmark of Safety standards.

### **Academic Performance:**

- Bachelor's Degree in Instrumentation Engineering from (V. E. S. Institute of Technology, Chembur) University of Mumbai in 2014 with 68.53%.
- Diploma in Instrumentation Engineering from (V. E. S. Polytechnic, Chembur) University of Mumbai in 2011 with 87.38%.
- SSC from St. Josephs High School (Maharashtra Board) in 2008 with 77.69%.

### **Extracurricular Activities:**

- Won 2<sup>nd</sup> prize in college level presentation competition (conducted by Emerson PM).
- Worked as Cultural Secretary at diploma College (For inter –collegiate techno cultural fest).
- Achieved 8 Kyu (YB) in Karate Do under TISRKDAC upon (AJSKR).
- Active participation in Technical, cultural and Sports Festival of college
- Secured prizes for both individual as well as team events.
- Active member of I.S.T.E. Student Section in college.