

# PARIKSHIT V. MAHAJAN

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## PIPING ENGINEER

### PROFILE SUMMARY

- Understanding of design basis/philosophy and implementation of the same in layout with adherence to statutory requirement and design codes & standard during development.
- Project Quality plans, Man-hours calculations, Preparation and updating all piping department standards, maintaining job records of the department, etc.
- Reviewing the deliverables & co-ordinating with the team for timely submission of the deliverables to the client.
- PDMS Admin setup In ADMIN Module
- Generate the Piping Specification in Paragon module (PDMS) as per client requirement.
- Thorough understanding of PFD, P&ID, GAD, and other inputs.
- Development of piping and equipment layout.
- Exposure to 3D model tools. Evaluation of 3D models, layouts, and Isometrics.
- PDMS Piping, Equipment, Structure, Draft, and Isodraft module proficiency.
- Addressing the operation and maintenance issues in the design.
- Generation of engineering documentation and MTO activities.
- Conducting 30%, 60% & 90% model review (Internal & client) and ensuring close out of tag\comments of the same.
- Responsible for handling technical communication with various engineering departments and with clients.
- Early identification to project manager of concerns with the necessary corrective action.
- Co-ordination with vendors, contractors, and clients.

### PROFESSIONAL HISTORY

#### NISA Solutions Private Limited

Application Engineer – Piping (January 2019 to present)

1. Client: Chennai Petroleum Corporation Limited (CPCL)  
Section: Demountable Flare Stack System  
Engineering consultant: Engineering India Limited (EIL)  
Responsibilities:
  1. Reviewing Scope, drawing & specification, and preparation of preliminary MTO.
  2. Preparation of Piping layout, Piping GAD, and MTO & piping Isometrics.
  3. Preparation of Equipment layout & Nozzle orientation drawings.
  4. Support selection base on stress analysis.
  5. Hot insulated steam piping design.
  6. Piping routine in accordance with cost optimization.
  7. Reviewing of Vendor documents.
  8. Conducting 30%, 60% & 90% model review (Internal & client) and ensuring close out of tag\comments of the same.
  9. Cable tray routine in accordance with cost optimization.
  10. Extraction of the Bill of material.
  11. Coordination with client, vendor and internal departments.

2. Client: Dangote Refinery and Petrochemical Project  
Section: Sulphur Recovery Unit (SRU) Incineration  
Engineering consultant: Engineering India Limited (EIL)  
Responsibilities:
  1. Reviewing Scope, drawing & specification, and preparation of preliminary MTO.
  2. Preparation of Piping layout, Piping GAD, and MTO & piping Isometrics.
  3. Preparation of Equipment layout & Nozzle orientation drawings.
  4. Jacketed Piping routine in accordance with cost optimization.
  5. Skid package piping design.
  6. Piping routine in accordance with cost optimization.
  7. Reviewing of Vendor documents.
  8. Cable tray routine in accordance with cost optimization.
  9. Extraction of the bill of material.
  10. Conducting 30%, 60% & 90% model review (Internal & client) and ensuring close out of tag\comments of the same.
  11. Coordination with clients, vendors, and internal department.

### **PATEL Microdata Private Limited**

Design Engineer (8-Aug-2016 to 10-Jan-2019)

3. Client: Mazgaon Dockyard Shipbuilders Limited  
Section: Warship P15 Bravo/ P17 Alpha  
Engineering consultant: Indian Navy Limited  
Responsibilities:
  1. Prepare the Piping layout drawings.
  2. Model the HVAC as per the HVAC layout.
  3. Cable tray routine in accordance with cost optimization.
  4. Equipment modeling as per vender drawing.
  5. Generate Production as well as Installation drawing.
  6. Reviewing Internal & client 3D model
  7. Extraction of the Bill of material.
  8. Thorough Experience in Generation material document, Creation & Release in the SAP MM module.

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## **PROJECTS**

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### **Bachelor of Engineering:**

Project Objective: **DESIGN AND ANALYSIS OF SINGLE PLATE DIAPHRAGM CLUTCH**

Sponsored by: **JAYA HIND INDUSTRIES LTD.**

Role:

1. Study of the existing single plate diaphragm clutch and its behaviour.
2. Analysis of its failure cases and optimization of the failure study for a better solution.
3. Performed Prototype-based trials to mitigate the failure of the clutch.

### **Diploma in Mechanical Engineering:**

Project: **AUTOMATIC SOLAR TRACKING SYSTEM**

Objective: To design the automated solar tracking system for a solar parabolic trough collector so that it will be equipped with motor operated sensors detecting solar radiation intensity to adjust the inclination of the collector. A basic chain and sprocket mechanism were used along with a photo sensor to increase the efficiency of the collector.

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## SOFTWARE SKILL

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- Aveva PDMS
- Aveva Marine
- NavisWorks Manage/Freedom
- AutoCAD
- SAP MM
- MS Office

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## EDUCATIONAL DETAILS

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1. Post Graduate Diploma in Piping Design, Engineering and Construction (2016)  
Asian Academy Pune.
2. BACHELOR OF ENGINEERING (MECHANICAL) (2016)  
University of Pune.
3. DIPLOMA (MECHANICAL) (2012)  
Maharashtra State Board of Technical Education.
4. SECONDARY SCHOOL OF CERTIFICATE (2009)  
Vader High school, Pali.

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## PERSONAL SKILLS

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- Ability to adopt new conditions and people.
- Desire to learn new things.
- Good leadership quality and co-ordination.
- Work well under pressure either with minimal supervision or in a team.
- Able to maintain a positive attitude under pressure.
- Good listener and communicator who effectively conveys information verbally and in writing.
- Can manage multiple priorities.
- Highly self-motivated who takes initiative with minimal supervision.

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## PERSOANL DETAILS

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- Name : Parikshit Vijay Mahajan
- Email ID : [pmahajan117@gmail.com](mailto:pmahajan117@gmail.com)
- Father's Name : Vijay Namdeo Mahajan
- Mother's Name : Shobha Vijay Mahajan
- Date of Birth : October 13, 1993
- Home Address : E-102, Mont Vert Belair, Near Silver Court Hotel, Lavasa Road, Bhugaon, Pune.
- Language : English, Hindi and Marathi.
- Mobile No. : (+91)9960007956/7977346416

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## DECLARATION

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

Date:

Place:

PARIKSHIT VIJAY MAHAJAN