

## Career Roles

- Mechanical Engineer – Piping

## Qualification

- **BACHELOR OF TECHNOLOGY – MECHANICAL ENGINEERING**
  - Mahatma Gandhi University, Kerala - 2017

## Responsibilities handled but not limited to:

- Ensuring material and piping isometrics compliance in accordance with ASME and ASTM standards. Identification of errors and rectification using Autodesk AUTOCAD 2013.
- Working with AMOGH – an Integrated Project and Construction Management as well as Enterprise Resource Planning system, to co-ordinate with fabrication shop on pipe dimensions, material, painting system, weld joints etc.
- Determining random pipe lengths, considering the nature and material of pipe.
- Check Process Flow Scheme(PFS) to ensure the compliance of piping isometrics/spoolgen drawings for equipment location, presence of insulation, pipe size etc.
- Review the design attributes given in isometric drawings and assist in releasing the job card to pipe fabrication shop.
- Analyze the weld joints employed and evaluate joint sizes and types to ensure the reliability of drawings.
- Update the AMOGH system with material type, design parameters, material quantity, weld and flange joint types and so on.
- Executing SCRs (Shop Change Request) from pipe fabrication shops and assist in releasing Stop Work Notice to incorporate approved changes.

## Experience

### **OCTOBER 2017 to PRESENT – MAA KUTHARI GLOBAL LLC, SHARJAH MECHANICAL ENGINEER – PIPING FOR PDO YIBAL KHUFF PROJECT**

- The Yibal Khuff Project of Petroleum Development Oman (PDO) involves development of Yibal Khuff/Sudair reservoirs located in the Yibal field area in North Oman. PDO has awarded Petrofac Engineering & Consulting Services the contract to perform EPCM services and Operational Readiness for Yibal Khuff Project
- Petrofac Engineering & Consulting Services have awarded a subcontract to Maa Kuthari Global for Piping Fabrication Management.
- The mechanical engineer – piping, reports to Team Leader - Piping Fabrication Management, to ensure transmission of effective and accurate engineering details between the client's engineering and pipe fabrication shops. Responsibilities include updating the AMOGH Integrated Project and Construction and ERP system, checking piping isometrics to ensure that they adhere to ASME, ASTM and the project specific standards, executing shop change requests.

## Technical Skills

- Autodesk AutoCAD 2013
- MS Office 2013 (Excel, Word and Powerpoint)
- 3-D drafting in Creo Parametric 2.0
- Basic knowledge on Dassault Systèmes Catia V5

## Academic Project

### **VIBRATION ANALYSIS OF ROTATING EQUIPMENT IN FCCU AND CDU-1 AT BHARAT PETROLEUM KOCHI REFINERY**

- CSI Machinery Health Analyzer was employed to obtain vibration spectrums from hydrocarbon centrifugal pumps at Fluid Catalytic Conversion Unit and Crude Distillation Unit of Bharat Petroleum Kochi Refinery, Cochin. AMS Suite Machinery Health Manager was employed to further analyze the vibration spectrum, which showed symptoms of bearing defects and the vibration levels were compared with ISO 10816-3, to conclude that bearing replacements are necessary to prevent machine failure.

## Trainings Attended

- Marine Engines and Associated systems
  - Central Institute of Fisheries Nautical and Engineering Training(CIFNET), June 2015
- Thermodynamics
  - Online Course by Indian Institute of Technology Bombay, December 2015
- Computational Fluid Dynamics
  - Online Course by Indian Institute of Technology Madras, April 2016
- Basics of Finite Element Analysis (Part I)
  - Online Course by Indian Institute of Technology Kanpur, September 2016
- Refrigeration and Air Conditioning
  - Online Course by Indian Institute of Technology Roorkee, September 2016
- In-plant Ship Building and Repair training
  - Cochin Shipyard Limited, Cochin, January 2017
- Introduction to Python for Data Science
  - Online Course by DATACAMP.COM, September 2017
- AutoCAD Certification Course
  - CADD Centre Training Services, September 2017

## Contact Details

- Mobile No. (UAE): +971 54 453 4412
- Mobile No. (IND): +91 90371 58922
- Email ID: [sukuabhi1995@gmail.com](mailto:sukuabhi1995@gmail.com)