**Abdul Kayum**

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**QA QC Engineer Mechanical Engineer   
 &**

**Piping Design Engineer**

**Education**

* **B. Tech in Mechanical Engineering**

Graduate from RTU University Kota , India - 2015

**Professional Qualification**

* **SEA Certified QA / QC Engineer Mechanical Certificate No. 111512204**

Sanjary Educational Academy , Hyderabad , India – ( 2015 )

* **SEA Certified Piping Design Engineer - Certificate No. : 11512237**

Sanjary Educational Academy , Hyderabad , India – ( 2015 )

**Professional Training**

* **Piping Design Software Training**
* **CAESAR – II**

Sanjary Educational Academy , Hyderabad , India - ( 2015 )

* **Plant Design Management Systems**

Sanjary Educational Academy , Hyderabad , India – ( 2015 )

**SEA Professional Certification Course Details**

* **SEA Certified Piping Design Engineer**
* Fundamentals of piping
* ASME codes and standards
* Piping Material Specifications – ASME / ASTM
* Pipe Fittings
* Types of Flanges
* Types of Valves
* Mechanical and Process Equipment
* Process Flow Diagram – PFD , Piping & Instrumentation Diagram P & ID
* Piping Isometric Drawing
* Types of Pipe Supports
* Design of process piping requirements per ASME B31.3
* Design Calculations of Piping sizing
* Design Calculation of Pipe wall Thickness
* Pump Calculations including Total Systems Head , NPSH
* Pipe Stress Analysis
* Pipe Flexibility Analysis
* Design Calculation of Pipe Stresses by Thermal Expansion Stress / Sustained Loads
* Design Calculations of Occasional Loads
* Design Calculations of Wind Load on a Piping Support in Open Terrain
* Determination types of Pipe Support and Maximum Allowable Span
* Piping Design Software – CAESAR II – 5.0 including CAESAR Modeling , set up Wind Load Cases , Load Case Editor , Viewing CAESAR Reporting
* Live Project on CAESAR
* **Design Project Calculations :**
* **Project Title : Design and drawing of Steam Piping for Super heater** in accordance with ASME B31.1

**- SUBMISSION OF PROCESS PIPING DESIGN PROJECT:**

* **Project Title : Design of Effluent Waste Water Treatment Process Piping Systems** in accordance with ASME B31.3
* **SEA Certified QA / QC Engineer Mechanical**
* Roles and Responsibilities of QA / QC Engineer – Mechanical
* Introduction to ISO 9001 . ISO 9004 , ISO 14000. ISO 19011
* International Codes and Standards
* Instrument Symbols
* Types of Instruments
* Types of Control Valves
* Process Flow Diagram ( PFD ) Piping and Instrument Diagram ( P & ID ) and Isometric Drawing etc.
* Control Loops and Control Systems
* Instrument Installation and Testing
* Receiving Inspection , In process Inspection & Final Inspection
* Control of Nonconforming of Items / Products
* Calibration of Monitoring & Measuring Equipment
* Preparation of Project Quality Plan
* Preparation of Inspection Test Plans – ITPs
* Preparation of QC Procedures ( QCP )

**Professional Skills**

* **About 2 Years of comprehensive experience**
* **Worked as, a Mechanical engineer trainee in Larson and Toubro (L&T) Ltd from 10.05.2015 to 15.05.2016**
* **Part time worked as, a QA/QC mechanical engineer trainee in Sanga Automobile Ltd form 15.04.2014 to 17.04.2015**

**INTERNSHIP**

June 01, 2014 to Till date- june.30 , 2014 Summer training Indian railways Bikaner ( Rajasthan )

**OTHER DIPLOMA&CIRTIFICATION**

July.01, 2015 to July.20, 2015- Sanjary Educational academy , Qa/Qc Engineer Mechanical

July.05, 2015 to August.18,2015 - Sanjary Educational academy, Pipe design Engineer

**Personal Details**

Permanent Address : sadulpur churu (rajasthan ) india

Pin code - 331023

Telephone : 0091–9024613407

Date of Birth : 16 January, 1994

Nationality : Indian.

Passport no : N6667170  
Languages Known : Hindi, English, urdu Strengths : Hardworking, Adaptable

Martial Status : UnMarried.