

# 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**

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☐ **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**

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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**

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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

Marital Status : UnMarried.