

KRUNAL KAPADIA

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CAREER OBJECTIVE

- To join progressive and reputable company as Welding and NDT Inspector (QA/QC Professional)
- To apply relevant knowledge and expertise to contribute significant progress and to implement fully Quality Control Procedure and Inspection and Test Plan to meet project specification requirement without causing delay

INTERNSHIP AND TRAINING

Rolex Fabrication

Sep 2020 – Present

Quality Control (Welding and NDT Personnel)

- Interpret Engineering Drawing and Welding Drawing provided by customer
- Performing NDT Inspection of plates, cast and forged parts to check whether raw material is defect less or not
- Performing Visual Inspection of products
- Performing NDT Inspection of welded joints on Heavy turbine, Heavy pump , Draft Tube , Distributor Pipe by using PT,MT,UT(Ultrasonic flaw detector Einstein II DGS Machine) Techniques as per ASME SEC. V and interpreting results according to acceptance criteria of ASME SEC. VIII DIV.I
- Making Department Documentation such as Visual Test Report, PT/MT/UT Test Report, Hydro Test Report, Calibration Report, Dimension Inspection Report, PWPS/WPS Documentation, Supporting PQR Documentation, WPQ Documentation
- Sound knowledge of SMAW/GMAW(MIG)/GTAW(TIG)/Gouging/Grinding/Buffering
- Experience with training of NDT by ASNT (SNT-TC-1A) Inspector and Level III Inspector in PT/MT/UT/RT process
- 260 Hours of practical experience on field

Kalpataru Power Transmission LTD.

May 2019 – May 2019

Quality Control (Industrial Engineer)

- Worked with goal to Reduce or Eliminate NON VALUE ADDED ACTIVITIES to increase Production Rate and continuously make improvements to achieve it by applying KAIZEN and SMED we made Production Rate nearly double
- Applied Poke-Yoke by reducing hand movements and hence reducing time
- Applied 5S Techniques to improve workplace and to motivate workers
- Applied Total Quality Control by doing right thing in first time
- Proficient in understanding Engineering drawing and bending drawing of angles and plates
- Sound knowledge of fabrication process for power transmission towers like plasma cutting and gas cutting of plates, straightening of angles and plates, punching and drilling of holes, tolerance and clearance, notching, bending, galvanizing, sort blasting
- 180 Hours of practical experience on field

PROFICIENCY

- Interpret **Engineering Drawing** and **Welding Drawings**
- Ability to perform Visual Inspection of products

- Ability to perform **PT/MT/UT** as per ASME SEC V Article 4 on products and interpreting results as per acceptance criteria of ASME SEC VIII Div I – Appendix 12
- Ability to make **Department Documentation** such as PT/MT/UT Reports, Calibration Report, Hydro Test Report, Visual Inspection Report, Dimension Inspection Report, PWPS/WPS Documentation, Supporting PQR Documentation, WPQ Documentation
- Ability to 2D,3D Modelling, Part assembly, MOI and Weight calculation, Layout Design of products using **Solidworks**
- Ability to 2D, Isometric,3D Modelling, Layout Design of products using **AutoCAD**
- Ability to machine the product as per requirement of customer using Lathe Machine and Drilling Machine
- Adept with **Microsoft Office Suite** (Excel, Word, PowerPoint), Adobe Acrobat Reader
- Professional Working Proficiency in **English**; Native proficiency in **Gujrati & Hindi**

PROFESSIONAL QUALIFICATIONS

❖ **LDRP-ITR**

Bachelor of Engineering in Mechanical Engineering

Aug 2017 – Present

CPI: 8.36/10

PROFESSIONAL ACHIEVEMENTS / CERTIFICATES

- 1. Overview of Welding Basics for Welding Inspector** **TUV NORD**
 - Outcome from the course are deep knowledge of welding position, process, metallurgy, symbol as per AWS, Electrode designation, PWPS/WPS/PQR/WPQ
- 2. Basics of Welding Metallurgy** **MSME PPDC**
 - Gained excellent knowledge of Welding Metallurgy of Cast Steel, Alloy Steel, Stainless Steel, Non-ferrous Alloys
 - Basic knowledge of Weldability, HAZ, Microstructural Properties
- 3. Industrial NDT & Welding Practices & ASME Standards** **GulfNDE Industrial Service**
 - Outcome of the course is sound knowledge of Preheat, PWHT, Basic welding consumables, welding Defects, NDT method such as (PT/MT/UT/RT) as per ASME SEC V. , DT method such as Bend Test, Charpy V Notch Test, Izod Impact Test
- 4. QMS, KAIZEN, POKE-YOKE** **QMS Aviation**
 - Outcome of the course is basics of QMS, TQM, KAIZEN, POKE-YOKE
 - After course test has been conducted and in it, I have successfully Applied POKE-YOKE in Machining Operation
- 5. LEAN MANUFACTURING** **GTU CIC3**
 - Basics of How Henry Ford and Toyota's Taiichi Ohno in Toyota Production System has been successful Since decades by implementing rules of Quality and Lean Manufacturing
- 6. QMS (ISO 9001:2015 / IATF 16949:2016)** **SubMastery**
 - Outcome of the course is Risk Level Determination, Risk Opportunity Analysis by using Risk Assessment Matrix
 - I've Successfully Generated Excel Sheet of Risk Opportunity Analysis
- 7. Inspection and Quality Control in Foundry Industries** **MSME PPDC**
 - Outcome of the course is how Quality Inspection is done in Foundry Industries
 - Several NDT Process implementing on Foundry products
- 8. Associate level in Solidworks** **Dassault System**
 - Ability to 2D,3D Modelling, Part assembly, MOI and Weight calculation, Layout Design of products using Solidworks
- 9. AutoCAD** **Indo German Tool Room**
 - Ability to 2D, Isometric,3D Modelling, Layout Design of products using AutoCAD

INDUSTRIAL VISIT

- Casting and Forging Process at ACCURATE ENGINEERING
- Renewable Energy Sources at Sardar Patel Renewable Energy Research Institute

ACADEMIC QUALIFICATIONS

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| ❖ Gujarat Secondary and Higher Secondary Education Board
12 th Science (PCM) | Jun 2015 – Jun 2017
Percentile: 81.46 |
| ❖ Gujarat Secondary and Higher Secondary Education Board
SSC | Jun 2014 – Jun 2015
Percentile: 91.66 |

ACADEMIC ACHIEVEMENTS

- ❖ International Olympiad of Mathematics
 - Got Silver Medal for acquiring 2nd Position in Class
- ❖ International Olympiad of Mathematics
 - Got Bronze Medal for acquiring 3rd Position in Class
- ❖ Essay Writing
 - Got Gold Medal for writing best Essay in School Competition

EXTRA-CURRICULAR ACTIVITIES

- ❖ Mechanics of Materials 1 (Georgia Institute of Technology)
- ❖ Participated in Engineering Mechanics “MECH MANIA 2.0” organized by Parul University
- ❖ Data Science and Math Skills. (Duke University)
- ❖ Assessing Risk in Engineering, Work and Life (Open University)
- ❖ Participated in National Quiz Competition on Concept of Physics "PHYSICA"
- ❖ Participated in Quiz Competition of Physics organized by Ganpat University

INTERESTS

- ❖ Running
- ❖ Cooking
- ❖ Cricket
- ❖ Hollywood Movies/TV shows