# POOJA ARORA

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**Career Objective**

Looking forward to a highly challenging, knowledge gaining & growth oriented carrier in a Design & Detail Engineering field of different business units.

**Professional Experience**

**9 Years Experience as an Instrumentation Engineer in Oil & Gas Sector.**

Instrument Index Preparation, Data Sheet Preparation, MR Preparation, Technical Bid Evaluation, Vendor Drawing Review, Bill of Material Preparation, SPI INTOOLS Loop Drawings, Cable Interconnection, JB Schedule.

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| **Organization 9: McDermott** | |
| Duration | 11th November,2019 – 10th November,2020 |
| Designation | Instrumentation Engineer |
| **Project Overview:**   * **Petro-Logistic FEED**- FEED scope includes development of a PDH plant to be constructed in U.S. Gulf Coast. Development of the facility will support future growth of propylene in the U.S. * **AMIRAL FEED**- A joint venture of Aramco and Total Raffinage Chimie has let a contract to McDermott International to provide technology licensing and engineering services for work on one of the world’s largest mixed-feed crackers. * **KNPC- CFP As-Built- K**uwait National Petroleum Company’s (KNPC) Clean Fuels Project (CFP) involved the upgrade and integration of the Mina Abdulla (MAB) and Mina Al Ahmadi (MAA) refineries. The project increased the combined capacity of the refineries from 736,000 to 800,000 barrels per day and lowered the sulphur content of petroleum products to 5%. | |
| **Activities Performed** | * Instrument Index * Field Instrument Data Sheets * Logic Diagram * As-Built responsibilities includes re-issuing of the following Engineering documents as Final: * Instrument Index * RATS (Range, Alarms & Trip Setting) * Field Instrument Data Sheets * Calculations- DP Level Instruments * Hazardous Area Schedule * Relief Valve Schedule |
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| **Organization 8: Haldor Topsoe** | |
| Duration | 05th September,2019 – 30th October,2019 |
| Designation | Consultant |
| **Project Overview:**   * **Wet Sulfuric Acid Project (WSA)**- The WSA process is a wet gas catalytic process. The aim of the method is to treat the Sulfuric acid before releasing the gas into the atmosphere after going through multiple processes. | |
| **Activities Performed** | * Loop Checking * Field Instrument Data Sheets * Sizing of Flow Element |
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| **Organization 7: Technip FMC India Limited** | |
| Duration | 07th March,2019 – 04th September,2019 |
| Designation | Sr. Instrumentation Engineer |
| **Project Overview:**   * **Visakh Refinery Modernization Project (VRMP)**- The objective of the project is to modernize and enhance the capacity of existing Visakh Refinery from present capacity of 8.33 MMTPA to 15 MMTPA at Visakhapatnam, Andhra Pradesh. The Project comprises of new 9 MMTPA grassroots refining facility, revamp and capacity expansion of existing units, augmentation of Utilities systems, integrated effluent treatment system, Offsite facilities and other associated facilities | |
| **Activities Performed** | * Field Instrument Data Sheets * Preparing Material Requisition * Vendor offer evaluation |
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| **Organization 6: Samsung Engineering India Pvt. Ltd.** | |
| Duration | 20th July,2018 – 05th March,2019 |
| Designation | Instrumentation Engineer |
| **Project Overview:**   * PTT GC (Global Chemical Public Co.) ORP (Olefins Reconfiguration Project) Project – The Project is about production of ethylene and propylene through major naphtha cracker unit. * CBDC (Carbon Black Delayed Coker) Project – The Project is about the production of Carbon Black made from the burning hydrocarbons. Delayed Cooker is the process by which heavier crude oil fraction decomposed under conditions of elevated temperature & pressure to produce mixture of lighter oils and petroleum coke | |
| **Activities Performed** | * Field Instrument Data Sheets * Handled the pre-commissioning punches (deputed to CBDC Project site for 3 months) |
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| **Organization 5: Projects & Development India Limited** | |
| Duration | 11th April,2018 – 6th July, 2018 |
| Designation | Instrumentation Engineer |
| **Project Overview:**   * Adani Project – The Project comprises of storage & handling LPG, Propane & Butane at port in Mundra | |
| **Activities Performed** | * Looked-over following Instrumentation Documents as PMC: * Field Instrument Data Sheets (Pressure, Temperature, Level, Flow Gauges & Transmitters, Control Valves) * Vendor Calibration Reports |
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| **Organization 4: Alstom Bharat Forge Power Pvt. Ltd.** | |
| Duration | 21st June,2017 – 6th April,2018 |
| Designation | Design Engineer I&C |
| **Project Overview:**   * 2 X 800 MW TELANGANA SUPER THERMAL POWER PROJECT in district Karimnagar of Telengana | |
| **Activities Performed** | * Instrument List * I/O List |
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| **Organization 3: PL Engineering Ltd.** | |
| Duration | 17th Nov,2014 – 16th June,2017 |
| Designation | Senior Instrumentation Engineer |
| **Project Overview:**   * RAPID (Refinery And Petrochemical Integrated Development) Project for PETRONAS. The Project consists of a world scale integrated site which includes Tank Farm Area, Refining activities & Petrochemical production. | |
| **Activities Performed** | * Instrument Index * I/O List * Specification Sheet for Field Instruments (Level, Temperature, Flow, Control Valve) * JB Wiring Diagram * Vendor offer evaluation/ Technical Bid Tabulation (TBT) * Reviewed P&ID, Instrument Tag Numbers * Loop Drawings * MTO |
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| **Organization 2: Ozone Plant Design Services Pvt. Ltd.** | |
| Duration | 3rd Feb,2014 – 14th Nov,2014 |
| Designation | Instrumentation Engineer |
| **Project Overview:**   * Worked on Modular Cellar Piping Skid Project for Fabtech. The Project consists of fabrication of Skid (structure provided to accommodate instruments & other auxiliaries) to enhance oil extracting via dosing chemicals. | |
| **Activities Performed** | * Instrument Index * I/O List * Datasheets for Field Instruments (Pressure, Temperature, On-Off Valves) * Cable Schedule * JB Schedule * Hook-Up Diagrams * MTO |
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| **Organization 1: C2C Technosoft Pvt. Ltd.** | |
| Duration | 11th July,2011 – 31st Jan,2014 |
| Designation | Instrumentation & Control Engineer |
| **Project Overview:**   * Worked on Sagar Samrat Conversion Project, Mumbai for Samsung Engineering India Pvt. Ltd. as our client. The Project designed to separate oil & gas from water & then treat them separately. * Worked on various modification activities which included updating of existing instruments for Cairn India Ltd. as Client. | |
| **Activities Performed** | * Instrument Index * I/O List * Datasheet for Field Instruments * Reviewed P&ID * Hook-Up Drawings |
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| **Software Proficiency** | * Smart Plant Instrumentation(SPI) * InstruCalc * Navisworks * Microsoft Office |
| **Qualification** | |
| * B.Tech – Instrumentation & Control Engineering from Bharati Vidyapeeth College of Engineering, Guru Gobind Singh Indraprastha University with 66%. | |
| **Strengths** | |
| * Ability to manage multiple assignments and change priorities. * Work as a team member with full co-operation. * Committed to produce design of high quality and safety requirement with in schedule. | |
| **Personal Vitae** | |
| Date of Birth | 10th September,1987 |
| Nationality | Indian |
| Languages known | English, Hindi and Punjabi |
| Passport Details | * Passport No.: H 5055223 * Date of Expiry: 21/07/2019 |

**Training Attended July’11 to Oct’11**

* Undergone four Months Instrumentation Engineering Training in C2C Technosoft Pvt. Ltd., Gurgaon
* On the Project Training on Offshore Oil & Gas Production Unit of Capacity

Oil Rate- 40,000 B.P.D

Gas rate- 8 MMscfd

* Studied engineering documents/drawings such as PFD (Process flow Diagram), P&ID (Piping and Instrumentation diagram), UFD (Utility flow diagram), and Legend Sheets.
* Reviewed & Prepared Instrument Index, I/O List, Data Sheets & MTO.
* Carried out sizing of Control Valve & Orifice.
* Learned about Field Bus, SIL, PLC & DCS.
* Gained knowledge of International Codes like ISA, ISO & ICE.
* Studied plant safety studies such as Hazardous Area Classification.

**Declaration**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

**Pooja Arora**