CURRICULUM VITAE



ARVIND KUMAR
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Carrier Objective:

To build a career that is enriching in terms of inputs, which Provide sample scope for employing my abilities to achieve Constant advancement and seeking a position to utilize my skills.

Work Experience:

- **Total Work Experience as Instrumentation Engineer is 10.7 years**
- Presently working as Instrumentation Engineer **in SHELL TECHNOLOGY CENTRE, Bangalore.**

Job Description:

Professional Experience

1.Company: SHELL TECHNOLOGY CENTRE, Bangalore.

Position: Instrumentation Engineer

Client: SHELL TECHNOLOGY CENTRE, Bangalore**.**
(Working With Emerson, Siemens, Honeywell, Kewaunee)

Duration: 2.3Years (From 10.09.2019 to till date)

Responsibility:

- In charge for the Mantainenace, Projects, MOC & Shutdown Job Includes, **Instrumentation** Activities like**, Plant** maintenance, Erection & Commissioning of Field Instruments (PT, FT, LT, TT) & Valves & its calibration
- In charge for the Projects **RTO Regenerative Thermal Oxidizer** (An OFF gas burning system) & **Muverloop Project**.
- Successfully completed Honeywell & Emerson Integration Project (Units Centralization system)includes FO cable laying & its splicing, LAN Cable laying ,Powering on Server & Network panels, all Honeywell & Emerson

units loop checks,cause & Effect matrix checking & Scheduling Backup.

- Successfully Completed Gas processing lab & Gas bank projects
- Holds fair knowledge on Honeywell Alaram system rationalisation & management.
- Designing & verifiying new Project & MOC related P&IDs,Hookup drawings,Instrument Index,IO list,JB schedule,Cable schedule,ITP formats.
- Procuremnet of Field Instruments & spares as per specification & area classifiaction as per Codes & Standards for Newprojects & MOCs.
- Holds fair knowledge in FAT & SAT & related documents verification.
- Planning PM activites,Calibration of Crictical Field Instruemnts,Flame & Gas detectors.And preparation of PM & Calibration reports of l Field Instruemnts,Flame & Gas detectors.
- Holds fair knowledge in Hazard & risk analysis & its controls & recovery barriers for MOC & new projects.
- Holds fair Knowledge in LOPA,HAZOP & HEMP
- Maintenance of Control valves like PV, FV, TV, LV, XV, PCV dropping, overhauling, calibration, box up, stroke checking & torqueing.
- Maintenance of Control valves, XV SOV/AFR, limits switch .
- Installation & maintenance of **Special P class** Instruments like Thermocouples (Syntemp B-type(0-1600C),Sapphire B-type(0-1600C),Sheer-of ,
- Retractable Cyllinders for POPPET valves operations Including installation & mainetainance.
- **ESD & MCMS related Cause & Effect Checking** in coordination with operation & witnessing to Shift superintendent.
- Holds Fair knowledge in DCS systems **(Make : Emerson Delta-V & Honeywell Plant cruise)**
- Holds Fair knowledge in PLC systems **(Make:Allen bradley(RS Logix 5000),Siemens S7-300(Wincc),Honeywell(Experion)**
- Commissioning & Maintenance of Analyzers & calibration.
- Holds Fair knowledge in study of P&ID,NSTRUMENTS LAYOUT DRAWINGS,ISOMERTIC DIAGRAMS HOOKUP,CABLE SCHEDULE,INNETRCONNECTIONS,CABLE TERMINATION instrument side, JB side,& Panel side.
- Holds Fair knowledge in **Foundation Field Bus** ,Cable Schedule & Interconnections & Maintenance of **Foundation Field Bus** Instruments & valves
- Holds Fair knowledge in Vibration monitoring systems **(Make Bently Nevada 3300,3500)**
- Commissioning & Maintenance of **Pumps, Compressor's ,Centrifuge's** & its related instruments maintenance calibration & trouble shooting
- Installation of Hook up Air tubing, Impulse tubing & Analyzer tubing, Loop drawing and loop checking of instruments.

- PM planning. Knowledge in SAP PM module,CM module, Breakdown Module & SAP Ticket Closing..
- Maintenance of **Honeywell,Dragers,Emerson Gas** systems, commissioning & Installation of instruments like DMC,DAF,DAGC, DGT,DAL, DEL,DHR, DHC,DHF , DAS,DFI,F&G CCTV camera etc
- Holds Fair knowledge in Honeywell & Drager Dock station & Its maintenance calibration & Bump test of portable gas detedctors.
- Gas detectors **Interlock checking** & preparing certificates for Calibration of Gas detectors like N2,CO,O2,HC ,H2
- Calibration Installation, commissioning & routine maintenance Of Transmitter, Control Valves, Switches And Gauges, on-off valves, Displacer Type level transmitter,Hydrotesting of impulse tubing and level gauge.

2.Company : RELIANCE INDUSTRIES LTD

Position : Instrumentation Engineer

Client : **RELIANCE INDUSTRIES LTD** (Working With Emerson,Siemens,Schneider Electric,Forays,Honeywell)

Duration : 1.8 Years (From 29.01.2018 to 30.08.2019)

Responsibility:

- In charge for the Mantainenace,MOC & Shutdown Job Includes, **Instrumentation** Activities like **,**Plant maintenance,Erection & Commissioning of Instruments & Valves in **Crude, Para Xylene(PX4) & Gasifier Plant**
- Maintenance of Control valves like PV, FV, TV, LV, XV, PCV dropping, overhauling, calibration, box up, stroke checking & torqueing.
- Maintenance of Control valve, XV SOV/AFR, limits switch .
- Installation & maintenance of **Special P class** Instruments like Thermocouples (Syntemp B-type(0-1600C),Sapphire B-type(0-1600C),Sheer-of , Retractable Thermocouples (N-Type(0-1300C)).
- Honeywell S550BE flame scanner (UV & IR)Installation & maintenance in Gasifier Reactor
- Commissioning & Maintenance of **Shafer valves (**Hydraullic) in Gasifier Reactor
- PST/FST checking of control valves like XV(Pneumatic Valves)
- Maintenance of PSV dropping, overhauling, calibration, box up.
- Maintenance of Heater's Actuator, Damper ,Flame Scanner & Pilot Gun droping,overhauling & box up
- Maintenance of PT,TT,LT,FT(Make:Emerson Rousemount 3051DP Flowmeters,DP level,Instrument manifolds,3051C Coplanar PT,3051T In-line PT,3051CFA Annubar FT,3051CFC compact conditioning FT,3051CFP integral orifice FT,3051 LT)
- Maintenance of Level Transmitter like GWR, Displacer, Agar probe,Nuleonic gauges & transmitters ,overhauling,calibration,box up.
- Maintenance of Flow transmitters(DP-Type Make Emerson ,Ultrasonic

Make GE,Khrone,Vortex Make E&H), Orifice plate ,Flushing & decheckoing activities of Flow transmitters

- **ESD & MCMS related Cause & Effect Checking** in coordination with operation & witnessing to Shift superintendent.
- Holds Fair knowledge in DCS systems **(Make Schneider: Foxboro, & Honeywell Plant cruise)**
- Holds Fair knowledge in PLC systems **(Make:Allen bradley(RS Logix 5000),Siemens S7-300(Wincc),Honeywell(Experion)**
- Maintenance of **2" CEMS** Analyser sensor nozzle calibration, box up.
- Maintenance of Heater CO/O2/SOX/NOX analyser's (Make : Chemtrols & Siemens) filter cleaning,calibration,box up.
- Maintenance & commisiioning of **Siemens 2 Stage Syngas Compressor** & its **MCMS** & Temperature probes PM/Installation & Calibration logic checking
- Holds Fair knowledge in study of P&ID,NSTRUMENTS LAYOUT DRAWINGS,ISOMERTIC DIAGRAMS HOOKUP,CABLE SCHEDULE,INNETRCONNECTIONS,CABLE TERMINATION instrument side, JB side,& Panel side.
- Holds Fair knowledge in **Foundation Field Bus** ,Cable Schedule & Interconnections & Maintenance of **Foundation Field Bus** Instruments & valves
- Holds Fair knowledge in Vibration monitoring systems **(Make Bently Nevada 3300,3500)**
- PIB all systems **DCS/ESD/UCP/IRP** panel maintenance,connection tightening & filter cleaning/Puff sealing panel,earthing etc
- Maintenance of **Pumps, Compressor's ,Centrifuge's** & its related instruments maintenance calibration & trouble shooting
- Installation of Hook up Air tubing, Impulse tubing & Analyzer tubing, Loop drawing and loop checking of instruments.
- PM planning. Knowledge in SAP PM module,CM module, Breakdown Module & SAP Ticket Closing..
- Maintenance of **Honeywell's & Crowcon's Fire & Gas** systems, commissioning & Installation of instruments like DMC,DAF,DAGC, DGT,DAL, DEL,DHR, DHC,DHF , DAS,DFI,F&G CCTV camera etc
- Gas detectors **Interlock checking** & preparing certificates for Calibration of Gas detectors like N2,CO,O2,HC ,H2
- **Commissioned Asco Pneumatics 2oo3 SOV** for Control valves (XV)
- Calibration Installation, commissioning & routine maintenance Of Transmitter, Control Valves, Switches And Gauges, on-off valves,

3.Company : QUESS CORP LTD (HOFINCONS)

Position : Instrumentation Engineer

Client : **SABIC RESEARCH & TECHNOLOGY CENTER** (Worked With CBRE,KKK,ATPRO,Vasundhara Automation, DITAP-V Automation)

Duration : 2.8 Months

Responsibility:

- In charge for the construction of the Job Includes, **Instrumentation & Integrated Building Management system (IBMS) ,**Plant Erection, Commissioning & maintenance of Reactor,HPMCR,LPMCR,HTSCR & OCM systems
- Successfully Completed **ISO & SHEM 7** Global Audit & gained a score of **3.4 out of 4**
- Maintenance of Reactor, **TRU1,2,3&4**, **Bench Scale, LPMCR 1,2,3,4,5 ,HPMCR1,2,3,4,5 systems**
- Maintenance of **INCINERATOR,CETP,RO** Plant &its related activities like maintenance & troubleshooting of field instruments & its **Shutdown & Light up** Activities
- Preparation & Testing of INTERLOCKS MASTER CAUSE & EFFECT of Incinerator,CETP,RO plant, TRU1,2,3&4, Bench Scale, LPMCR 1,2,3,4,5 ,HPMCR1,2,3,4,5 systems
- Calibration, Installation, commissioning and maintenance of Temperature Elements like Thermocouples and Resistance Temperature Detectors, Pressure gauges, Pressure Switches,PSV's ,Temperature transmitter, Differential pressure transmitter, control valves and Actuators, etc...
- Erection of Stain chain for Inline & OFF line Instruments & their tapping points & instruments Mounting & Calibration like **TT,PT,FT,LT,PDT** etc.
- Installation & Maintenance of MFC (Make : Bronkhorst & Brooks) Back Pressure Regulator (Make: Emerson Tescom (Low Temp & High Temp 5000 series
- Erection ,commissioning,Installation & maintenance of ACCESS Control (Make :Siemens, Software : Siveillance Fusion),PA Systems,Security CCTV systems(Make BOSCH,CPPLUS,HIKVISION etc) Water leakage detection systems
- Completed an ENERGY DASH BOARD project in which Power ,Water,Light load,AHU Load monitored & its maintenance
- PID Controller Configuration & Installation**(Make : ABB , HONEYWELL)**
- Maintenance of **Fire and Gas Systems** (Make : Siemens & Crowcon)
- Maintenance of **Gas Systems** like Gas detector Cable laying , installation, commissioning and its Gas detector Calibration like N2,CO,O2,HC ,H2 **(Make Crowcon)** & its termination Panel side & field side termination.
- Maintenance of **Fire Systems** like Smoke detector,Hooters,Control panel installation and its Termination looping field side & panel Side **(Make : Siemens)**
- Maintenance of **HVAC Systems** & its Temp ,Frequency, Actuator setpoint

changing & troubleshoot in field & in system(**Make : Siemens Desigo)**

- Development of skill matrix and identification of gaps.
- Compliance of EnMS, QMS, OHSAS, ISO – 14001 requirements. Maintain records as per legal and HSE requirement.
- SAP for all critical equipment & Asset Score achievement as per target
- Manpower planning and gap analysis & Shutdown planning and execution.
- RCFA and Improvement initiatives, tracking mechanism.
- Fabrication work and Erection of stain chain ,JB Frame,JB,Panel,Main & Branch Tray Erection.Main & branch cables laying instruments side,JB side, Panel side, & Loop Checking.
- Holds Fair knowledge in study of **P&ID,ISOMERTIC DIAGRAMS HOOKUP,CABLE SCHEDULE,INNETRCONNECTIONS,CABLE TERMINATION** instrument side, JB side,& Panel side.
- Installation of Hook up Air tubing, Impulse tubing & analyzer tubing, Loop drawing and loop checking of instruments.
- **Projects Completed** : 1.ENERGY DASH BOARD project, 2.Mini Cracker 3.LPMCR-6,4.HPMCR-2, 5.N-Isomerization to Iso-Butane

4. Company: **CHEMIN C&I PVT LTD.**
Position : Instrumentation Engineer
Client : **RELIANCE INDUSTRIES LTD**
Duration : 4 Year
Responsibility:

- In charge for the construction of the Job Includes, plant Erection & Commissing of REACTOR AREA LLDPE(linear low Density polyethylene)
- Planning and scheduling of E&I Activities
- Calibration, Installation, commissioning and maintenance of Temperature Elements like Thermocouples and Resistance Temperature Detectors, Pressure gauges, Pressure Switches,Temperaturetransmitter, Differential pressure transmitter, control valves and Actuators, etc...
- Erection & installation of Stain chain, Inline & OFF line Instruments & their tapping points & instruments Calibration like **TT,PT,FT,LT,PDT** etc.
- Erection commissioning & Installation of **Honeywell's Fire & Gas** instruments like DMC,DAF,DAGC, DAGT,DAL etc
- Fabrication work and Erection of stain chain ,JB Frame,JB,Panel,Main & Branch Tray Erection & Main & branch cables laying instruments side,JB side, Panel side, **PIB**side & Loop Checking
- Installation of **Dry Catalyst Injector** Assembly of Reactor area
- Holds Fair knowledge in study of P&ID,ISOMERTIC DIAGRAMS HOOKUP,CABLE SCHEDULE,INNETRCONNECTIONS,CABLE TERMINATION instrument side, JB side,& Panel side.
- Installation of Hook up Air tubing, Impulse tubing & analyzer tubing, Loop drawing and loop checking of instruments.

Academic chronicle:

BE [INSTRUMENTATION TECHNOLOGY]

Sl no	Institution name	University name	Course	Aggregate
1.	KBN college of engineering Gulbarga Karnataka	Visveswaraiah Technological University, Belgaum.	B.E (INSTRUMENTATION TECHNOLOGY)	61.45%

Certifications :

- Process Control & Instrumentation From Govt of India ATI,Mumbai
- Training on Basics of Gas detection & Handling of Portable gas detectors by **Honeywell**
- Training on Basics of Gas detection & Handling of Portable gas detectors by **Drager**
- **CCTV** Installation CCTV Camera, DVR troubleshooting & maintenance
- MS-office, Adobe Photoshop CS, Computer hardware, Windows Xp,7.

Technical Skills :

Field Instrumentation, Trouble shooting & calibration of Equipments, Process instrumentation, Panel testing, PLC Networking CCTV Installation.

Strengths:

- A Team player with good communication, interpersonal and effective coordination skills.
- Punctual, ability to handle multi-tasks and manage time effectively.

Personal profile :

Name	:	Arvind Kumar
Father's Name	:	Gundesh Surpurkar.
Mother's Name	:	Meerabai
Passport No	:	M0056822
Date of Birth	:	08-07-1990.
Permanent Address	:	H.no3-943 Gazipur Gulbarga.
Languages	:	English, Kannada, Hindi,Tamil,Telugu.
Nationality	:	Indian.
Religion	:	HINDU
Sex	:	Male.

Declaration:

I hereby declare that all the information furnished above is true to the best of my knowledge.

Place: **Bangalore** **ARVINDKUMAR**