

CURRICULUM VITAE (CV)

NAME: NISHANTH K

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POSITION: INSTRUMENTATION ENGINEER

EDUCATION

- **Bachelor Degree** in Electricals and Electronics Engineering -SNS College of technology, Coimbatore, Jun-2007 to May-2010
- **Diploma in** Instrumentation & Control Engineering -Sri Ramakrishna Polytechnic College, Coimbatore, Jun-2004 to Apr-2007

PROFESSIONAL SYNOPSIS

- About 6 years of experience as an instrumentation and control systems engineer in detailed Construction, commissioning and development co-ordination of instruments and control systems in Power Plant, Desalination Plant, Distillery plant and Mixing Plant projects.
- Commissioning of GAS Turbine,HRSG and Coal Fired Power Plant
- Construction and Commissioning of AHP and CHP
- Commissioning of Air Compressor System
- Commissioning of Water treatment Plant
- Commissioning of ESD System and BMS
- Configuring and faults diagnosis of DCS, PLC, SCADA, RTU, Profibus Communication, Analysers and Control Loops.
 - DCS : PCS7 v6.0 Siemens, Centum CS3000 Yokogawa , Ovation DCS Emerson and Max DNA Metso
 - PLC : Siemens simatic S7 200,300,400 and GE Fanuc series 90-30
 - SCADA : WINCC/Siemens, ICONIX and IFIX/GE
- Installation, calibration and loop checking of the field instruments (Emerson Rosemount, ABB, Endress & Hauser, Bently Nevada, Honeywell, Yokogawa, Vega, Polysonics,.....)
- Maintenance and calibration of the control valves (Pneumatic, Part turn, MOV, NRV,.....) of Weir Blackborough, Flowserv, Bray, Airtorque, Copes-Vulcan, Valtek, Masoneilan, Aumatic,.....
- Experienced in flowmeters configuring (electromagnetic, orifice plate, ultrasonic, turbine, variable area , Coriolis) of ABB, Rosemount, Krohne,+GF+,Siemens.....
- Designing, Implementing and Commissioning of new control loops as per site requirements.
- Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list, flow chart
- Familiar with engineering standards and Document Controlling
- Preparing master data sheet for PM schedule; ensuring safe and efficient performing of CM
- Calibration of Gas Chromatograph, Gas Detectors and Flame Scanners
- Experienced in the field instruments and control systems procurement activities

- Spares balance investigation and inventory control for all instruments' spare parts

PERIOD: Jul-2014 – Aug 2016

COMPANY: HYUNDAI HEAVY INDUSTRIES

POSITION: INSTRUMENTATION AND CONTROL ENGINEER

PROJECTS: Tihama cogeneration – Saudi Arabia,(186 MW Gas power plant)

Shuqaiq Steam Power Plant –Saudi Arabia (2640MW Steam Power Plant)

Job Responsibility

- Shuqaiq Steam Power plant – Saudi Arabia (2640 MW Steam Power Plant) commissioning of instruments and control systems in power plant of 3*180 MW gas turbine and 2640 MW Steam Power Plant
- Commissioning and Control room operation for FGD System Sea Water Type (Damper & Sealing, Absorber, Aeration Systems)
- Commissioning of I&C systems in 2640 MW steam power plant
- Commissioning of Electro Chlorination Station
- Planning and scheduling of E&I Activities
- Commissioning activities in METSO (max DNA) DCS and Allen-Bradley PLC
- Commissioning of Mark VI (GE HMI)
- Calibration of ABB control valve and Rotork MOV
- Commissioning of ESD System
- Erection and Commissioning of BMS system
- Maintenance of CEMS, Gas Chromatograph and sampling monitoring system
- Calibration of Gas detector
- Loop drawing and loop checking of instruments
- Field Instrument Calibration
- Commissioning of fire fighting system
- Commissioning of HVAC system
- Commission Documents Controlling
- CCR operation knowledge for 90 TPH boiler and 180 MW gas turbine

PERIOD: Apr-2012 to Jun-2014

POSITION: CONTROL ROOM ENGINEER

COMPANY: Thermax India Ltd

PROJECT: 2*145 MW Power Plant-Emerson Ovation DCS

PROJECT SITE: Sesa Steralite Ltd, Goa (Vedanta)-India

Job Responsibility:

- Pre-Commissioning, Commissioning and Maintenance of Power Plant
- Line up and error correction the actuators, control valves (with MIL, SIEMENS, ABB and Yokogawa positioner) and field instruments
- Line up and error correction of pneumatic dampers.
- Commissioning of MOV and Control Valves
- Commissioning of SWAS panel
- Erection and Commissioning of Ash Handling plant and Coal Handling Plant
- Servicing and calibration of pneumatic & electronic positioned and control valves
- Maintenance and calibration of I/P convertors

- Maintenance and calibration of field instruments like transmitter, switch, gas analyzer
- Knowledge about electrical feeder like DOL and RDOL & drives.
- Have experience on working in EMERSON-OVATION DCS. In DCS having knowledge about logic & graphics creation.
- Knowledge about HART communicator(YOKOGAWA-YHE 4150X V2.0.6,Emersion 475)
- Knowledge in programming various PLC brands like Allen Bradley, Siemens (S7-400, S-7 300), Keyence, Omron & Delta.
- Having knowledge vibration monitoring system, temperature scanner, speed monitoring system.
- DCS operation HRSG and BFG Combustor Burner Systems for the initial start up
- Permit to open and close authorization for daily routine, preventive and corrective maintenance jobs.
- Worked collaboratively with operation engineers

PERIOD: From Jun-2010 to Apr-2012

POSITION: INSTRUMENTATION ENGINEER,

COMPANY: ENMAS O&M SERVICES PVT. LTD

**PROJECTS: Sri Ganesh Metallic, Rourkela-India
145MW Coal Fired Power plant -METSO DCS**

**Sri Shasta Biofuels, Kurnool (A.P)-India
30 MW Power plant and 1500 klpd distillery-YOKOGAWA DCS**

Job Responsibility

- Executed erection and maintenance activities of instrument systems as per schedule
- Checking of instrument installation as per P&I drawing
- Hands on experience in control valve calibration like Mil,fisher,ABB,Siemens
- Commissioning and erection experience in Coal Handling System and Ash Handling System
- Hands on experience in testing and troubleshooting RTD and Thermocouple
- Handled the responsibilities of control system checkout, tuning and set-up Maintained and modified existing systems
- Commissioning and trouble shooting of process instruments
- Hands on Experience Loop checking and Functional testing of all Instruments
- Testing, evaluating, modifying and calibrating products/instruments
- Writing reports and documentation
- Worked collaboratively with operation engineers, Electrical engineers and other internal staff for completing multiple projects

Personal Details

Profiles : Male ,31 , Married , Indian , Hindu

Address : Kallingentavida
Thuvakkunnu
Kannur
Kerala-India

Passport No : Z3005621 (Date of Expiry 07/12/2026)