## 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, Auma matic,......

* + Experienced in flowmeters configuring (electromagnetic, orifice plate, ultrasonic, turbine, variable area , Coriolisis) 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 Chlorinaton 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 )