**SARUN D SAM**

**s/o : Late Mr. Sam Thomas**

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**OPERATIONS & MAINTENANCE PROFESSIONAL – INSTRUMENTATION**

*Seeking challenging assignments with an organization of repute across the industry*



**PROFILE**

* Offering an experience of over **9 years (since Jan 2012) across Instrumentation, Operations & Maintenance Project Execution, Installation of Control & Safety Equipment, Calibration and Testing**; currently spearheading as  **Sr. Engineer Instrumentation with M/S DSIL (DCM Sriram Industries Limited).**
* **Expertise in Installation & Commissioning**, **troubleshooting and maintenance operations of a wide range of instruments**, equipment systems/ machines, **Exceptional planning, execution, monitoring and resource-balancing skills** with the ability to handle **machines breakdowns, scheduled & preventive maintenance, planned maintenance, overhauling, product development & inventory control**
* **Adept at conducting fault diagnosis and failure analysis to promptly overcome operational bottlenecks** with demonstrated capabilities in handling the entire range of project management activities.
* **Consummate professional with excellent planning, execution, monitoring and resource balancing skills**, attention to detail as well as the ability to build and lead effective teams.

**Instruments Handled**

* PLC/DCS
  + Allen Bradley (PLANTPax Distributed Control System CONTROLLOGIX 5573,CONTROLLOGIX 5562 ,COMPACTLOGIX 5370,MICROLOGIX 1400), Siemens S7-300 , ABB ACS 550 , its loop-checking and troubleshooting, electrical wiring, VFD /MCC panel. P & ID diagrams.
* Control Valves
  + pneumatic & electropneumatic positioner, I to p( current to pneumatic) and P to I (Pneumatic to current) convertors , Pressure switch , Solenoid valves , Rotameters , Limit switches , Load cell , proximity sensors/switch
* Transmitters
  + Pressure Transmitters & DP pressure transmitter& its control loop.
  + Level transmitter Electrode & Ultrasonic level sensor and its control loop.
  + Flow transmitter of type electromagnetic & its control loop, ultrasonic Open channel flow sensor
* Sensors
  + Temperature sensors like RTD , Thermocouple and its control loop, Infra red Edge sensors Humidity sensors, Ph sensors & Indicators and its control system , ORP sensor, DO (dissolved oxygen) sensors, Conductivity sensor.
  + Gas detecting sensor for CS2(carbon disulphide) gas , Cl2 (chlorine) gas, Oxygen(O2 analyzer) , H2S
  + (Hydrogen sulphide) gas, CNG , OPACITY Meters, STACK ANALYZER. ESP TR set controllers.
  + VFD drives of ABB , ROCKWELL , Schneider, Yaskawa, Amtech . PID controllers , Digital pressure Indicators , Totalizer , Timers and temperature Indicators, Counter meter
  + Installation of Burners with BMS (Burner management system) in stentor machine, its operation & trouble shooting.



**PROFESSIONAL EXPERIENCE**

**WORKING AREA :** Working experience on Chemical process plant , ETP (effluent treatment plant) , Power house, WTP( Water treatment plant)

**M/S DSIL (DCM Sriram Industries Limited)** ♦**Sr. Instrumentation Engineer ♦ since Jan’ 12**

* Responsible for handling Instrumentation maintenance for CPP (captive power plant) having multi fuel boiler, extraction cum condensing & back pressure turbines.
* Inventory Management and stock keeping of critical spares
* Dexterously involved in calibration & testing of critical instruments like Triplex system, PRDS system, BFW controls, Turbine controls etc.
* Planning and implementing various breakdown/ preventive maintenance schedules of various machines to increase machine up time/ equipment reliability.
* Planning and effecting preventive maintenance schedules of various equipment to increase equipment up time.
* Developing & executing monthly maintenance plans in close coordination with process/production departments.
* Responsible for developing steam load shedding system for handling emergency during rainy season.
* Executing cost saving techniques/measures and modifications to achieve substantial reduction in O&M expenditures and work within the budget.
* Implementing preventive, planned & predictive maintenance to maximize operational availability of equipments & machines. Observing best maintenance practices to register high rating on Excellence in maintenance.
* Performing root-cause analysis of defects while developing and improving the processing by taking corrective actions to prevent any reoccurrences and defective issues.
* Conducting an in depth examination of the problem & performed why-why analysis to locate the source of problem.
* Defining operational parameters and ensuring strict adherence thereto to generate maximum operational efficiency.
* Adhering to Safety, Environment and Health standards in all functional areas and developing & implementing measures for enhancing safety levels.
* ISO9001/TQM/EMS14001/OHSAS18001 / FMEA documentation & controls for Department

**Projects Undertaken**

* Erection & Commission of husk fired boiler of 22TPH and 40 TPH and its control system.
* Commissioning & Installation of Thermex Chiller Machine and its control system , modification of control panel of Broad chiller
* CNG Burner control system.
* Up gradation of automatic CO2 flooding system with inbuilt logics & temperature sensors for enhancing safety & operability of machines.
* Erection and commission of 6MW Condensing cum Extraction turbine.



**EDUCATIONAL CREDENTIALS**

**B.Tech. (Electronics & Communication), 2011**

Gurukul Institute of Engineerring & Technology, Kota (Rajasthan technical University); 67.73%

**Intermediate, 2005**

Kendriya Vidhalaya, Jhalawar (CBSE Board); 58.2%

**Matriculation, 2003**

Kendriya Vidhalaya, Jhalawar (CBSE Board); 76%

**Technical Skills**

C, MS Office & Internet Applications

**Language Proficiency**

IELTS: 7 Band

**Project Undertaken**

Mobile Control Robot using Wireless Technology at G.I.E.T

**Training Attended**

* 14 days training on PLC of make Allen Bradley (Micrologix 1000), Siemens S7-300 ,200, ABB (Advanced controller31)
* 30 Days at Samtel Color Limited, Kota (Learned about Deflection Yoke Manufacturing & its use, repair, heating panel of horizontal machine)
* Certified Training on ISO 9001: 2015 & EMS 14001:2015 Internal auditor .



**Extra Curricular Accolades**

* Actively participated in Sports Event at College
* Volunteered in Cluster Level Inter School Kho-Kho & Badminton Competition
* Had been member of NGO (Sahyog Eco Social and Educational Society)
* Acted as Coordinator in Event ‘Collage Making’ at College
* Participated in National Level Paper Presentation ‘Neuron’09’ at MNIT, Jaipur
* Donated blood once a Year for last 5 consecutive years
* Volunteered in State Level Technical Symposium ‘Elevate’09’ at Gurukul Institute of Engineering & Technology, Kota on 4th & 5th December
* Won 1st prize in Antakshri Competition in College



**Date of Birth:** 29th December 1986

**References:** Available on request

**Skype Id :** sarunsam86

**Current CTC :Rs 700000 p. a.**

**Expected CTC: Negotiable**

**Notice period:** 3 months negotiable to 1 month

**Ready to relocate :Yes**