

Surya Prakash KM

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Career Objective

Experienced Instrumentation engineer with a demonstrated history of working in the Utility industry. Enthusiastic and eager to contribute to team success through hard work, attention to detail and excellent organizational skills.

Professional Experience

Powermech Projects Limited, Cuddalore, Tamilnadu (Jun 2018- Present)

Engineer- Instrumentation

•At IL&FS Tamilnadu Power Company Limited (2*600MW), Cuddalore, India involving in preparation of Maintenance plan and schedule Viz. Preventive maintenance, predictive maintenance and breakdown maintenance schedule for various instruments.

•Communicated complex technical specifications to non-technical people in easily comprehensible formats.

•Working in rotational shifts and monitored manufacturing operations of instrumentation devices for compliance with safety protocols.

•Installation, Calibration, Commissioning and maintenance of field instruments like Control valves, Motor operated actuators and Remote operated shutoff valves.

•Conducted troubleshooting procedures and root cause analysis to determine the causes of problems.

•Reviewed information in P&ID diagrams, Instrument location diagrams, Instrument data sheet, Instrument installation drawing and Cable schedule.

•Basic knowledge in control systems like Distributed control system and PLC based systems.

•Undertook proactive maintenance and repair actions to keep equipments operating at peak levels.

•Worked closely with colleagues across number of functions including Operation, Electrical & Mechanical maintenance departments.

•Conducted scheduled calibration activities for Pressure gauges, Temperature gauges, RTD's, Pressure switches and Pressure transmitters and maintained their records.

•Experience in plant maintenance area complex as an engineering user of Computerized Maintenance Management Systems (CMMS) with SAP.

• Acquired knowledge on creating permits and their work orders through SAP for preventive and corrective maintenance of instruments.

• Exposure in viewing spare quantities via SAP and using them according to the process requirements.

Basell Automation Systems Private Limited, Chennai, Tamilnadu (Apr 2016- Sep 2016)

Field Service Engineer

• Involved in installation of Eurotherm PID controllers for furnace applications at Ordinance Factory Tiruchirapalli (Govt of India),Trichy,India.

Preipolar Engineering Private Limited, Chennai, Tamilnadu (Dec 2015- Apr 2016)

Trainee Engineer - Instrumentation

• Testing of Control panels.

• Conducting FAT (Factory Acceptance Test) with the Customer

• Preparing the Bill of Materials (BOM), Material Ordering and Follow-up.

Snipe Engineers Private Limited, Chennai, Tamilnadu (Oct 2015- Dec 2015)

Junior Engineer - Instrumentation

• Involved in erection of Pressure transmitters, cable laying and cable trays at Gokul Sugars, Solapur.

Skills

• Trouble shooting of Pneumatic, hydraulic and solenoid valves and positioners.

• Interpreting wiring and P&ID diagrams.

• Supervision of assigned field activities.

• MS Word, MS excel and MS Power point.

• Fair knowledge in SAP.

Education

• Bachelor of Engineering (Electronics and Instrumentation) from Madras Institute of Technology, Chennai (Aug 2011- May 2015) with a CGPA of 7.0 (out of 10 point scale).

• Higher Secondary Education from SRV Boys Higher Secondary School, Rasipuram, Tamilnadu (Jun 2009- Mar 2011) with a score of 96.5%.

Certifications

• A Course on Electrical CAD for Industrial and Domestic Wiring Techniques from National Small Industries Corporation Limited (NSIC, Govt. of India Undertaking), Chennai.

• A Web based training on Process Control Engineering for beginner from SIEMENS SITRAIN Digital Industrial academy.

• A Web based training on Data communication with Industrial Ethernet from SIEMENS SITRAIN Digital Industrial academy.

• A Web based training on Profibus in process automation from SIEMENS SITRAIN Digital Industrial academy.

• A Web based training on Boiler Types and opportunities for energy efficiency from Schneider Electric.

• Undertook Advanced training in Industrial Automation from Technocrat Industrial Automation, Chennai learning the basics of PLC programming with ladder logic.

Internships

• Petrofac Engineering Services India Private Limited, Chennai, India. (May 2014- Jun 2014)

• IA Flow Elements, Chennai, India. (Jun 2015- Aug 2015)

• EID Parry Sugars, Cuddalore, India. (Jun 2013)