

SUMMARY

Engineering professional with around 3 years of experience as Senior Engineer in Operations and Maintenance, I was previously employed as Operations and Maintenance Engineer (Graduate) at SPS Technologies Ltd (A PCC Company), Leicester responsible for implementation of Centralised Maintenance Management System (CMMS). Responsibilities included Performance monitoring of machines, process improvement, and Equipment and Material Master Data management at Leicester Manufacturing unit, recent graduate in Advanced Manufacturing Technology and Systems Management from The University of Manchester.

EDUCATION

2015-2016 The University of Manchester

MSc Advanced Manufacturing Technology and Systems Management

- Developed excellent knowledge of key concepts and latest advances in manufacturing technologies and management of systems.
- Course modules included: Advanced Manufacturing processes, Product modelling, Reverse Engineering, Rapid Manufacturing, Robotics, Metrology, CIM, E-Manufacture, Manufacturing and Management systems.
- Developed communication, interpersonal and people management skills being the student representative for master program responsible for liaising between students and staff on matters of mutual interest or concern.

2008-2012 University College of Engineering, Kota, India

Bachelors of Technology Mechanical Engineering

Honours – 74.77%

- Awarded second prize for excellent academic performance in Mechanical engineering stream at convocation.
- Graduation thesis: Finite Element analysis of gears using ANSYS.
- Student representative of Placement and Training department of University College of Engineering.

PROFESSIONAL EXPERIENCE

Sep 2016 - SPS Technologies Ltd (PCC), Leicester, United Kingdom

Jan 2017 Operations and Maintenance Engineer

- Implementation of Centralised Maintenance Management System (CMMS) at Leicester unit.
- Performance monitoring of machines and determination of Overall Equipment Effectiveness.
- Identify and facilitate process improvement projects, Kaizen, Improvement of process flow line.
- Building up and maintaining Equipment and Material Master Data Management
- Asset Management and audit.
- Production Planning and Control, Inventory Management of Maintenance spares and consumables.

- Planning and Scheduling of Planned Total Preventative Maintenance (TPM) in coordination with the operations team.
- MTBF (Mean Time between Failures) and MTTR (Mean Time to repair) determination
- Analysis of reactive maintenance Incident data (Syteline ERP) and development of Predictive Maintenance Plan
- Generating TPM reports and developing the action plan for resolving the identified issues.

July 2012 - Adani Group**August 2015 Senior Mechanical Engineer**

- Team Lead for the Operation and Maintenance department, responsible for keeping plant operational round the clock for production, whilst maximising efficiency and ensuring the quality of finished goods.
- Maintenance of Plant and Machinery included Commissioning, Installation, Production Planning, Scheduling and Dispatch of Finished Products, Inventory Management of Spare Parts using SAP Materials Management
- Automating the Purchase Requisition process by identifying key materials being used for maintenance of deployed equipment by analysing the stock and purchase trend of the consumables and getting the results updated in Material Master Data.
- Initiated SAP Plant Maintenance module for plants and machinery for automating the process of notifications of breakdown and generation of orders
- Preparing preventive maintenance schedule for equipment using SAP Plant Maintenance.
- Reconciliation of Financials for spare parts and other consumables used in repair and maintenance. Coordinated with vendors for outside repair and maintenance, and preparing service entry sheets for timely payment for vendors.
- Supervised 28 operators and helpers operating batching plant, block plant and heavy machines like wheel loader, crane etc. for the fulfilment of the requirement of internal and external customers.
- Coordinated with subcontractors for outside repair and maintenance, and preparation of service entry sheets in SAP for timely payment to vendors.

June 2011 - Department of Atomic Energy, India**July 2011 Summer Intern – Refrigeration and Air Conditioning**

- Internship included learning the basics of air conditioning like heat load calculation, duct design and cooling towers installation. As a project, designed centralised air conditioning for a floor of 33 rooms at Department of Atomic Energy including heat load calculations and duct design.

ADDITIONAL SKILLS

IT Proficient in use of Microsoft office including Excel, SAP Material Management and Plant Maintenance Module, CMMS, Syteline ERP, ACIS, ANSYS, CAD, C++.

Languages Fluent in English, Hindi and Gujarati

Interests Hobbies include writing poems, journals and reading books.

Reference available on request