KARAN PATHAK

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# Professional Summary

Capable Mechanical Maintenance Engineer with advanced understanding of preventive, predictive and corrective maintenance policies. Critical and analytical thinker with verbal and written communication skills, a forward-thinking approach and a hardworking nature. Prepared to offer 05 years' experience to a permanent role with room for advancement.

# Skills

* *Rotary and Static Equipment installation*
* *TPM Lead*
* *MTTR and MTBF of Equipment’s*
* *UTILITY Maintenance*
* *Procurement*
* *Vendor Development*
* *Employee training*
* *5S organization*
* *PM Scheduling*
* *Written and verbal communication.*
* *Rotary and Static equipment operation in Chemical plants.*
* *Technical troubleshooting*
* *Equipment maintenance and repair*
* *Root Cause Analysis*
* *Inventory maintenance in SAP/Oracle*

# Education

* + - *Three-year Diploma in Mechanical Engineering from UBTER roorkee (Uttarakhand) in 2015*

 **Work History**

1. Mineral technologies India Pvt. Limited (Leading MNC Company in PCC chemicals all over the globe)
* *Frequently diagnosed mechanical problems and determined how to correct issues.*
* *Basic vibration analysis and laser alignment.*
* *Established and monitored maintenance protocols to deliver reliable service by Leading TPM program.*
* *Handled scheduled maintenance for rotary and static equipment’s like pump, compressor, agitator, gearboxes, blowers, heat exchangers, pressure vessels, columns and other utilities air conditioning plant, AHUs, Rotary heat exchangers, Dampers, Air filters, Air humidifiers, VAV, Stop cocks, taps and drain valves, Pump, Combined Heat and Power Unit, Exhaust gas heat exchanger.*
* *EAM contract registration and billing.*
* *Involved in Vendor registration, managerial skill, negotiation, raising Purchase request.*
* *Read and interpreted blueprints, technical drawings, schematics and computer-generated reports.*
* *Provided technical training for Performing typical maintenance task to maintenance team members.*
* *Reduced maintenance accidents by 100% by enforcing strict safety standards.*
* *Managed inventory spares, tools to fully equip team for various repair requests.*
* *DPR of maintenance activity to share with management for operational analysis.*
* *Performed troubleshooting, diagnosis and repair of equipment’s.*
* *Responding to maintenance requests to repair equipment malfunctions in oracle.*
* *Completed root cause analysis, logged faults and prepared system reports.*
* *Coordinated installation of systems, machinery and components.*
* *Used lean manufacturing principles to develop, evaluate and improve manufacturing methods.*
* *Recommended design modifications to eliminate machine and system malfunctions.*
* *Developed and coordinated effective predictive, preventive and corrective maintenance approaches.*
* *Created maintenance schedule for team to cover regular service needs and emergency requests.*

# **Junior Engineer, 08/2016 to 10/2019 Indian Synthetic Rubber Pvt. Ltd.**

# **(A subsidiary of Indian Oil Corporation Limited Panipat)- India**

* *Read and interpreted blueprints, technical drawings, schematics and computer-generated reports.*
* *Participated in formal internal design reviews of proposed products and components, providing input on potential technical improvements.*
* *To conduct and supervise the general, predictive and preventive maintenance of all types of pumps, Ammonia and Freon Refrigeration System, Reactors, Exchangers, Dryers, air compressors, fans, Blowers, centrifuge, etc.,*
* *Overhauling of mechanical seals and maintenance by lapping, hydro test, seal room experience.*
* *Provide immediate support to equipment, in case of any breakdown requirements and resolve issues related to hydraulics, pneumatic or mechanical areas ensuring minimal loss of production.*
* *To make alternative arrangements, in case of breakdown of motors, pumps and other prime movers.*
* *Annually/ Half-yearly Shutdown resource planning and safe startup.*
* *To provide assistance in all matters to the superior and give workable suggestions on process / machinery / efficiency improvements.*
* *Implementing various quality management techniques and Design Out Maintenance for improving process efficiency and overall quality, as well as saving costs.*
* *To ensure that safety regulations in respect of machinery are strictly followed in all circumstances.*
* *Maintaining Log Books, Preparation of Daily Progress Report and maintaining SAP Module.*
* *To ensure that all processes, procedures and activities meet and match those as lay down under company standards and management procedures.*
* *Conducted site assessments for planned projects, verifying viability of location choices and illustrating potential obstacles.*
* *Reviewed and checked technical drawings by architectural technicians, CAD technicians and drafters.*
* *Prepared remedial action plans for problematic processes and assets.*
* *Drafted and captured technical schematics for use in project planning and execution***.**
* *Studied corrections from senior engineers to learn and grow professionally.*

# **Tata Auto comp. SYSTEM PVT. Ltd. (APPRENTICE) 2015-2016**

* + *Attending all preventive, predictive and breakdown maintenance activities of all rotating equipment.*
	+ *Experience in various types of maintenance such as Predictive, Preventive, Overhauling and Troubleshooting of Rotary Equipment such as Centrifugal Compressors, Centrifugal Pumps, Centrifugal Fans/Blowers, Diaphragm Pumps, Gear Boxes, Cooling Towers Fans, FD Fans, Clutches and Soot Blowers.*
	+ *Maintenance and installation of various types of mechanical Seals. Analysis of Field problems and solving through Maintenance Manuals and coordination with seniors/concerned vendors.*
	+ *To ensure good housekeeping and safety standards in all areas involved and work undertaken.*
	+ *Work under Safe, Healthy Atmosphere and Knowledge about Safety equipment.*
	+ *Maintaining log book and history register of all equipment’s for condition monitoring.*

#  **Certificates**

* + *01 Week Training of Basic Vibration Analysis- Acoem*
	+ *Scaffolding Inspection*
	+ *TPM Lead*

Declaration: -

*I hereby declare that the above information given is true and correct to my knowledge and belief.*