



PRATIK BAJIRAO PATIL

Maintenance Engineer

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Kolhapur, India

PROFILE SUMMARY

- An Mechanical Engineer with over two years of experience in Maintenance and development, quality assurance and project management.
- A strong understanding of engineering mechanics, principles, and materials.
- Demonstrated leadership skills that optimize collaboration between departments to produce high-quality industrial machines and equipment.

PROFESSIONAL EXPERIENCE

Maintenance Engineer ▪ Jul 2019- Till Present.
Sudarshan Auto Industries (P) Ltd Kurkumbh Pune.

- Steered planning & implementation of predictive & preventive maintenance schedule for various equipment to increase machine uptime & equipment reliability.
- Implementing maintenance schedule, conducting periodical checks to ensure performance & maintaining requisite documents for the same.
- Driving Plant Optimization Activities & Continuous Development or Improvement Programs.
- Identifying the areas of bottleneck / breakdowns and resolving them through application of various troubleshooting tools
- Engaged in work planning, scheduling, estimation, controlling, implementation, modification, commissioning and so on.
- Performing inspection of critical equipment like Banbury, calendars, Hot & Cold feed Extruders, gearbox of all above stated critical equipment.
- Oversee In house overhauling of major equipment like Banbury, Calendars, Hot & cold feed extruder, plain & cracker mill, etc.
- Overhauling work of equipment & major repairs to improve equipment efficiency by fault finding.
- Leading Engineering department for maintenance management, Engineering project implementation, Machinery up gradation, new equipment & machinery sourcing, negotiation & procurement.

Technical Proficiencies

- MS Excel
- MS Word
- MS PowerPoint

CORE COMPETENCIES

Leading the daily work meeting

Leading the Quality circle group

Low cost automation

Quality Assurance

Installation & Maintenance

Action plans against rejections

Team management

EDUCATION

BE Mechanical ▪ 2019

AITRC.VITA, Shivaji University

Score: 67.88%



HSC Science ▪ 2015

Parashar Highschool

Score: 58.46%



SSC ▪ 2013

Tanwani English School

Score: 73.40%



Major Projects Undertaken

- Erection, commissioning & major overhauling of tire & rubber processing equipment such as.
 - Hot & Cold feed Extruders, 2, 3 & 4 roll calendars.
 - 50mm, 90mm, 120mm, 150mm pin barrel Cold feed Extruders.
 - Plain & Cracker type of mixing mills, sizes 14"x36", 22"x60", 26"x60", 26"x84".
 - Mechanical & hydraulic Tire curing presses.
- Re-engineering of vulnerable machines & machine parts & monitored breakdowns to the required output with Finite Element Analysis(FEA).
- Project, Planning, erection & commissioning, major overhauling of all equipment related to 2, 3 wheeler & Agriculture tire & manufacturing.
- Layout planning, Discussion, Finalization & implementation of machines as per approved layout.
- Replacement of screw of 50mm, 90mm, 120mm & 150mm cold feed extruders with in house maintenance team.
- Under Brown field project, performed activities like relocation & internal shifting of equipment as per new sanctioned layout without affecting regular production & quality.

Major Modifications jobs / Improvements

- In house design, fabrication & installation of rubber feeding conveyor on 26"x84" cracker mill.
- Replacement of all four rolls of 24"x68" textile calendar within four days Diwali shut down working 16 hrs. a day.
- Replacement of broken rolls of mills with in house maintenance team.
- Replacement of screw of 50mm, 90mm, 120mm & 150mm cold feed extruders with in house maintenance team.
- In house conversion of conventional bull gear driven mill to gearbox uni-drive mill.

Technical Skill

- Project planning & implementation/installation of process & utility equipment of Tire & rubber plant.
- Cost saving by implementing low cost automation project & small improvement/Kaizen ideas.
- Expertise in overhauling of heavy machinery such as Banbury , mills, calendars etc.
- Handling maintenance of hydraulic & pneumatic system.
- Spares parts cost & Inventory cost control by in house manufacturing of machine parts .
- Fault finding & permanent solution oriented.

PERSONAL DETAILS

Date of Birth: 20 Oct, 1997

Languages Known: Marathi, Hindi & English

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