SATYAKI BANERJEE

Senior Engineer – Production | 7278746949 | satyakib22@gmail.com | linkedin.com/in/satyaki-banerjee-922250152

PROFILE SUMMARY

Results-driven Mechanical Engineer with 5 years of experience in production management, process optimization, and quality control. Proven ability to lead cross-functional teams, optimize equipment efficiency, and drive continuous improvement initiatives to enhance overall equipment effectiveness (OEE). Expertise in CNC operations, TPM practices, and lean manufacturing principles.

PROFESSIONAL EXPERIENCE

Kiswok Industries Pvt. Ltd. — Senior Engineer, Production (March 2020 – Present)

- Managing daily production of 50 CNC machines (VTL, VMC), ensuring on-time delivery and adherence to quality standards.
- Leading 15 technicians, 110 CNC operators & 100 contractual workers, optimizing workflow and reducing downtime through OEE analysis.
- Resolved conveyor line jam issue by using WHY–WHY analysis tool and increased line OEE by 7%.
- Implemented mechanical tackle to lift material by eliminating magnet to resolve safety and quality issues.
- Reduced cycle time of parts by minimizing non-cutting time through program and part drawing review.
- Implemented **Poka-Yoke** structure to eliminate part mix-up in machines.
- Introduced **rigid clamping** of turning tools to enable higher cutting speeds.
- Designed and implemented **stepped hard jaws** for multiple material clamping in VTL without jaw adjustment (**SMED**).
- Used **step drill** for drilling and top chamfering with a single tool, reducing cycle time by 40 seconds per component.
- Implemented **routine maintenance** schedule for machines, tools, and fixtures within a 7-day working shift using minimal manpower.
- Successfully implemented Non-cutting edge tool holder(**DCBNR)** for CNGN insert for Brake drum OD turning to reducing insert cost to 0 on that particular block.
- Modified brake drum PCD hole drilling VMC program to along with tapping to reduce hole size checking frequency of all holes to only two no's of holes.
- Leading **VSM project** on existing process to eliminate manpower touch points on material, and implemented **material tilting setup** on conveyor — removing the need for manual intervention.

EDUCATION

B. Tech – Mechanical Engineering, Academy of Technology (MAKAUT), 2018 – 61%
Higher Secondary, WBCHSE – 66% (2014)
Secondary, WBBSE – 74.8% (2012)

SKILLS

- Autonomous maintenance of machine (CLIT)
- Production loss analysis & CAPA (OEE analysis)
- Planning of preventive maintenance of machine parts & work support parts (TBM & CBM)
- CAPA on generation of NC products
- Inventory management aligning with customer schedule
- Raw material planning
- Process Optimization
- Small group activities
- Manpower planning
- New product development
- Basic CNC Programming (Turning & Drilling)
- KAIZEN & POKA YOKE
- 7 QC Tools
- ERP System

• Safety Protocols & Compliance

TRAININGS

• CNC Programming & Operation – NSIC Technical Services Centre (July–Aug 2017) • Automobile Systems – Autonext under TATA Motors (Dec 2016–Jan 2017)

PROJECTS

• Analysis of Fluid Flow through Thrombus Arteries (B.Tech Project) – Conducted using ANSYS 15 to study wall pressure and shear stress distribution (2017–2018).

PERSONAL DETAILS

Date of Birth: 22nd November 1995
Languages: English, Bengali, Hindi
Hobbies: Playing Guitar, Singing, Reciting, Reading Bengali Novels

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