

Venkatesh Vasanthan

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🏠 18/194, Anandham Bhavan, Nagercoil.

I am a passionately curious and hardworking engineering graduate looking forward for an opportunity to work in a challenging environment to learn new things and apply my knowledge in an industrial environment. A mechanical engineer by profession has stretched my horizon and capabilities towards production control, operation and maintenance and lean manufacturing.

EDUCATION

Bachelor of Engineering in Mechanical & Production Engineering

Aug 2011 – May 2015

Sathyabama University, Chennai, India, GPA– 7.56/10.0

CERTIFICATIONS

* AutoCAD * Pro – E CAD modeling * Six Sigma *

TECHNICALSKILLS

* Lean Manufacturing * Continuous Improvement * NC Programming * GD&T * 7 QC Tools * TPM * MS office *

RELEVANT EXPERIENCE

L.G. Balakrishnan & Bros Ltd.,

Jun 2019 – Present

Assistant Engineer-Production

- Planning, Production and Vendor development (Machined Component -Export UK & Domestic). Developed cell layout for maximum production requirements with best possible utilization of labor force directed at one piece flow and Reduce material movement time from 1hrs to 0.5 hrs by work study.
- Coordinates with marketing and production team to prepare monthly Production schedule to meet Customer Requirement.
- Responsible for monthly Planning in RM, Consumables, Tools and cutters, required skilled manpower planning, capacity shared machine planning and vendor planning.
- Daily machine loading Plan, MIS, Dispatch planning to balance 20 different types of Sprocket to OEM Customers.
- Product BOM, Routing and work center and material code creation in SAP.
- Responsible for Capacity Addition planning for New product Development (NPD), feasibility.
- Meeting daily production quantity targets with 100% type-wise fulfillment of sprockets over 12 types.
- Ability to manage around 50-60 associates per shift along with various topics like quality deviations, customer complaints internal-external both, breakdown, etc.
- Leading daily SQCD (Safety-Quality-Cost-Delivery) meeting & Production meeting.
- Managing production targets in scenarios like less manpower, less input material flow through manpower optimization & pulling material from repair area.
- Production lead for a 6-member team and coordinating with cross-function team for executing production operations.
- Documentation of PPAP process and associated towards PFMEA document preparations.
- Root cause analysis to identify the potential cause of waste inside the plant, using tools tool's like 5 why's and fishbone diagram.
- Conducted time and motion study for the shop floor workers and followed SOP (Standard Operating Procedure) and plant regulation to work instruction for machinists.
- Worked with audit team to process the bi-yearly internal audit operations and prepared internal reports.
- Presentation with visualization technique to raise quality issues and apply statistical methods to correct quality deficiencies. Control chart to track the tolerance limit and identify the production issues.
- Quantifying the job floor operation to gather data source for the process improvement.
- Tracked and evaluated Overall Equipment Effectiveness and Recommended GSTD (Go, See, Think & Do) initiative for the continuous improvement.
- Worked with continuous improvement team to implement Poka Yoke in a four-washer manual assembly station and Just-in-Time to reduce the lead time in the process.
- Improved product flow through entire shop. Analyzed consumer complaints, developed and implemented solutions when necessary.
- Utilize SAP HANA software (MM/PP) for line balancing and inventory control.

Technical Assistant

- Daily updated/review the raw material and pass for operation according to the production plan.
- Daily monitoring on O.E.E improvement, WIP control with prior actions to achieve maximum percentage of production plan.
- Train and Guide operators for making quality checks at production stage to reduce rejection.
- Actively engaged in tool setting and reduce troubles as per client requirements.
- Performed proper perception to reduce downtime & rejection.
- Monitored and guided the team members to accomplish the production goals.
- Evaluated the production activities and made recommendation to the management for improvement of process.
- Provide daily updates to manager and management on job status of all work in progress.
- Update daily production and rejection reports.
- Performed proper perception to reduce downtime & rejection.
- Supported the maintenance team to ensure rejection less production.

L.G. Balakrishnan & Bros Ltd.,**June 2015– June 2017****Engineer Trainee**

- Supported the engineering team with the implementation of 5S on the shop floor and conducted equipment down time study, ascertain cause to preventive actions.
- Supporting the management team to identify the potential causes of problems in the plant.
- Assisted team in reducing the lag time in flow to routing stations and in work allocations. Quantified works performance through motion study and suggested to improve the work environment to augment the worker's performance.
- Identified the prominent areas of obstruction and breakdown, took steps to rectify the equipment through preventive actions and equipment reliability monitoring.
- Simple transportation as a part of Just-in-Time to increase the work flow effectiveness and reduce complexity in inventory handling.
- Worked as a subordinate under a CAPA head and helped to implement Corrective action based upon statistical tools and employee survey for process improvement.

PROJECTS

BIO Diesel for automotive Engine

- The research focus on using BIO fuels an alternate for the high emission Diesel engine. The task was to research on an alternate fuel to reduce the emission in an automotive with a considerable efficiency.
- Experiment was conducted on variable compression ratio diesel engine to identify the mechanical efficiency, thermal efficiency and effectiveness
- 4 cylinder 1500cc engine with coating on piston surface to identify the result. Jatropha a fossil fuel by nature was used as an alternative fuel in the experiment.
- Published a research journal on “Performance and emission analysis of ceramic coated piston crown”, at an international conference held at the Indian Institute of technology, Chennai.
- The research proved that Jatropha could be futuristic fuel with 81% less greenhouse gas emission. This is an ongoing research to improve the efficiency and then explore the area of usages.

POSITION OF RESPONSIBILITIES

- Secretary Society of Automobile Engineer collegiate club Sathyabama University
- Treasurer Department of Mechanical Engineering
