



Ashutosh Garg R

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Summary

Operations and supply chain leader with 5.5+ years of experience focused on streamlining processes with technology, driving strategic shifts in manufacturing scheduling while collaborating with suppliers/CFT and managing a workforce. Championed forward-thinking strategic initiatives focused on scalability via capital expenditure projects, operational resilience and long-term financial gains.

Professional Experience

Designation – Production Manager – Operations/Planning

| Company – Caterpillar Inc

Location – Tiruvallur – Chennai.

- Managed Axle and Transmission Assembly for 10 different - Off Highway/Underground Mining Truck Models.
- **Led a team of 130 blue collared workforce to highest ever monthly output of 163 Axles and 131 Transmission in March-23.**
- Handled Monthly Production Scheduling of Axle Plant - Machining, Assembly, Test Shops as part of Build to Order Strategy.
- **Led change management efforts in 2024 to enhance efficiency at Axle Plant, increasing output from 4 to 6 axles per shift.**
- **Improved TPT from 5 shifts to 3 shifts as a scheduler incorporating mixed model scheduling with the help of IoT platforms in Machine Shop and PINPOINT Platforms in Assembly and Layout – enhancing Agility and Flexibility.**
- Maintained an OPE of 60 percent in Assembly while leveraging technology with the use of systems and advanced DC Tools to build axles.

Designation – LTDP Operations Leadership –Supply Chain & Logistics

| Company–Caterpillar Inc

Location – Tiruvallur – Chennai.

- Extensively worked on MRP-SAP optimizing plans for manufacturing cycles to ensure capacity and material availability.
- **Determined Optimal replenishment quantity (ORQ) for parts from Chinese supplier as a RIW to reduce freight costs with a potential financial benefit of \$1.1 Million yearly at 1500 volume.**
- **Drove the transition of 15 key suppliers to a Direct-to-Line strategy, significantly enhancing value chain responsiveness and achieving a 98% schedule adherence rate.**
- Reduced inventory worth \$21K by migrating from 6-3 DoH for 4 different High Value Parts used in an excavator.
- Engineered returnable D2L pallets for POU handling of 150 excavator hoses, cutting packaging waste and enhancing sustainability while reducing the overall manufacturing footprint.

Designation – Section Manager – Operations

| Company – Caterpillar Inc

Location – Tiruvallur – Chennai.

- Managed Assembly sections of Axle and Transmission plant.
- Introduced NPI of Transmission – Stabilizing the product build being built in India as a part of localization strategy.
- Digitalized job card tracking workforce efficiency using PINPOINT systems.
- **Ran and supervised 2 Testing Stations of Axle and Transmission maintained a FPY of 90%.**

Designation – Manufacturing Engineer

| Company- Caterpillar Inc

Location – Tiruvallur – Chennai.

- Planned Factory layouts for effective utilization of space via rearrangement, new processes, or expansion and determining the need for modern facilities and assembly planning.
- **Undertook Off High Trucks Layout Transformation gearing up the facility for 160 Capacity by introducing Capital assets worth \$200,000 as a part of Multi-Generational Proactive Planning Strategy.**
- **Introduced 2 new stations to meet the revised TAKT – 4-6 Axles/Shift while establishing the process flow in the same.**
- Implemented 5 different engineering changes in line by redesigning the process, parts and material presentation to address product improvements and New Product Introduction.
- Provided engineering consultation on manufacturing processes, tooling and gaging requirements and cost/delivery analysis.
- Improved Oil filling system performance efficiency for 4 different oil types used in a machine while redesigning the flow and pressure circuit in factory.

Education

B.Tech – Mechanical Engineering – SASTRA University | *Location – Thanjavur, Tamil Nadu*

Accomplishments

- Scholarship – Deans List – Top 2% of the batch in academic performance in UG.
- Best Student Award – For displaying consist excellence in academic and co-curricular field in 9th.
- Recognized as the Top 3 ideas of the Entrepreneurship Course for Digital Dhobi platform at university.

Certifications

Lean Six Sigma Green Belt Training, Caterpillar

Mar 2023

In Plant Training at Rashtriya Ispat Nigam Limited. (Vizag Steel Plant)

Jun 2017

Extra-Curriculars

- Vertical Recruitment Secretary of PGPX Batch, responsible for the initiation and smooth implementation of placement activities.
- Played at the State Level Table Tennis Tournament conducted by School Games Federation of India.
- Secured top positions, including 1st and 3rd place finishes, in multiple intra-school and university-level tournaments.
- Achieved Best(2nd) position paper in the Model United Nations Conference – Hyderabad representing the county Canada.
- Served as Sports Secretary of University in 2018-2019.
- Worked in the Core team and conducted the Techno-management Fest and Cultural Fests of our University.
- Recognized as a volunteer under the National Service Scheme(NSS) for contributing to socio-economic development initiatives.