LAKSHMI NARAYANACHARY MODEPALLI

Manufacturing Systems Analyst || PPC Engineer || Material Planning and Product Costing

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ABOUT ME

Resourceful manufacturing systems analyst with 8 years of experience started with production planning, material planning, inventory management, and process optimization in manufacturing environments. Expertise in integrating IT solutions to improve production workflows, increase efficiency, and reduce costs. Strong background in system design, development, and automation for manufacturing and IT processes.

WORK EXPERIENCE

DILIGENT SCM SOLUTIONS PVT LTD
Manufacturing Systems Analyst ——————— **2020–2025**

- My role is to deal with the departmental and interdepartmental process flaws and system issues.
- Build the optimal solutions that require less effort along with mistake-proof solutions by adopting Japanese manufacturing principles to eliminate non-value-added (NVA) steps and streamline interdepartmental processes.
- Designed and implemented mistake-proof systems for inventory management, business P&L creation, material planning, and export shipping.
- Played a pivotal role from ground level to top in the Advance License Scheme (duty-free import process), handling the opening and closing of 60+ licenses with the Directorate General of Foreign Trade (DGFT).
- Handling of Statutory and compliance requirements from the CHA, Customs and DGFT

DILIGENT SCM SOLUTIONS PVT LTD
Material Planning & Product Costing ——————— **2019–2020**

- Company wide optimized material planning.
- Annual material planning for all parts using customer forecasts to ensure timely availability of materials.
- Collected price quotes, performed cost comparisons, and placed orders to suppliers while managing dispatch schedules.
- Conducted cost estimation for sheets for all parts based on customer drawings to maintain competitive pricing.
- Monthly RM cost reconciliation of exported goods
- Purchase price variance for business P & L.
- Product cost estimation of sheet metal components with competitive pricing.

DILIGENT SCM SOLUTIONS PVT LTD
PPC Engineer ——————— **2017–2019**

- Optimized customer orders by grouping and nesting them to minimize scrap during production.
- Created and managed job cards to ensure timely execution and adherence to customer requirements.
- Dealt with ~5000 variants and 15,000 PO lines per year.
- Job card optimization (improved visualization rather than words)
- Creating work instructions and SOPs for the processes and training and building the team.

EDUCATION

M. TECH IN MACHINE DESIGN
Anubose institute of Technology and sciences, Palvoncha
2014 - 2016   73%

B. TECH IN MECHANICAL ENGINEERING
Sri Kavitha Engineering College, Karepalli
2010 - 2014   68%

SKILLS

Manufacturing
- Product cost Estimation
- Inventory Management
- Material Planning
- Production Scheduling
- Cost reconciliation
- Kaizen Activities
- Export Shipping
- P&L Creation
- Duty-Free Import Schemes (Advance license)
- Interdepartmental Teamwork

Process Design & Automation tools
- Process Mapping
- Flowchart Creation
- Process Automation
- Value steam mapping
- Kanban boards
- Lean Methods, 5s and 6 sigma

Software & Tools
- Microsoft Office Suite (Excel, Word, PowerPoint,
- Teams, Forms, PowerApps, Power Automate,
- SharePoint, OneDrive, Power BI)
- Tableau
- Windows and Linux OS
- Home Lab
- Troubleshooting
- Helpdesk Support

CERTIFICATIONS

- Microsoft Excel Expert Certification
- Lean Six Sigma—White Belt
- Kano Analysis Expert
- Career Essentials in System Administration by Microsoft and LinkedIn

PROJECTS

- **Modernization of Job card** - Removed the non-value added and repetitive data fields, added visualization and automized it.
- **Material Flow Optimization** - Implemented FIFO (First In, First Out) system for material flow on the shop floor, reducing waste and improving line balancing.
- **Raw material yield Improvement** - Optimizing the nesting and cutting process to reduce the scrap by 6% for imported material
- **Inventory Management Dashboard** - Developed a real-time dashboard to enable quick decision-making in inventory management.
- **Employee Leave Application** - Designed an automated employee leave request system using Microsoft Power Platform.
- **Expense/Advance Forms** - Created automated forms with approval and verification levels for seamless financial operations.
- **Intranet Website App** - Developed an internal web app to provide employees with easy access to resources, enhancing communication.
- **Advance licenses Closed** - Closed old pending advance licenses to meet the statutory requirements of government to continue to avail the duty-free benefit on import raw material.
- **Data Security** - Met the customer audit requirements in IT infrastructure and Data security.
- **Training** - Training the people in each role to make time for myself to learn new skills.

HOBBIES

- Home Lab
- Linux & Docker Experiments
- IoT
- Home Automation
- PC Building
- 3D Printing
- Explore New technologies