KUSUM MOHAN WARAD

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EDUCATION

M.S in Engineering Management/Industrial Engineering (GPA: 3.7/4.0)   Aug 2022 - May 2024
San Jose State University, San Jose, California
Coursework: Six Sigma, Supply Chain Engineering, Systems Engineering, Production Planning and Operations, Agile Project Management

B.S in Biotechnology Engineering (GPA: 3.6/4.0)   Aug 2017 - Jul 2021
RV College of Engineering, Bengaluru, India

EXPERIENCE

Cytokinetics – Operations Intern, South San Francisco, California   May 2023 **–** Aug 2023
- Achieved 18% reduction in inventory shrinkage by conducting root cause analysis to identify and eliminate process inefficiencies, and implemented RF Smart WMS in collaboration with IT, Procurement, and Shipping/Receiving teams.
- Reduced material procurement lead time by 5% and increased lab inventory accuracy by automating PR (Purchase Requisition) processes and optimizing PO (Purchase Order) lifecycle through Oracle EBS.
- Secured $15,000 operational cost reduction by utilizing Advanced Excel to perform in-depth expense analyses, identifying inefficiencies, and driving targeted strategies across multiple departments.
- Developed 'Supplier Priority' dashboard using Power BI, utilizing a scoring system to evaluate 40 of 250 suppliers based on KPIs like lead time, Capex spend vs. budget, on-time delivery rate.
- Devised supply plans for introducing a new drug using value stream mapping to optimize material flow, ensuring timely distribution while maintaining optimal inventory levels to prevent stockouts and overages in collaboration with clinical supply teams.

Karnataka Roadlines – Supply Chain Analyst, Bengaluru, India   Mar 2020 – Dec 2021
- Optimized transportation planning and implemented multi-sourcing strategies for carrier selection, that reduced transportation costs by $20,000 for the company's nationwide 3PL operations.
- Improved on-time payment rate to 95% by reconciling accounts receivable with remittances, developing a robust payment tracking system in Excel, and ensuring timely follow-up on outstanding balances.
- Negotiated long-term vendor contracts using KPIs like on-time delivery, cost variance, flexibility and responsiveness, securing terms that optimized freight costs.
- Spearheaded the sourcing of Telematics Systems, Toll Transponders for fleet maintenance, effectively managing RFIs, RFQs, RFPs, and invoices, resulting in a potential $6,500 acquisition contract.

ACADEMIC PROJECTS

Supply Chain Optimization through Lean Principles, SJSU   Aug 2023 - Dec 2023
- Refined warehouse operations by incorporating cross-docking strategies and RFID-enabled tracking systems, achieved an 89% reduction in operational duration and saved $25,000 annually in labor costs.
- Streamlined supply chain processes using AutoCAD and Power BI for layout redesign and real-time performance tracking, increased pallet handling efficiency from 2 to 5 pallets per labor hour and improved overall supply chain visibility.
- Implemented Value Stream Mapping (VSM) to identify and eliminate inefficiencies across a three-tier spare parts supply chain, decreased overall lead time by 6 days, and improved inventory turnover by 15%.

Optimizing Cost and Inventory for Pharmaceutical Efficiency, SJSU   Feb 2023 - May 2023
- Developed accurate demand forecasts using time series analysis and exponential smoothing techniques, achieving a Mean Absolute Deviation of less than 10, which improved production planning and inventory management.
- Integrated Bill of Materials (BOM) with Material Requirements Planning (MRP) to enhance Master Production Scheduling (MPS) and optimize resource allocation, achieving a 7% reduction in overhead costs.

Lean Six Sigma in Automobile Axle Manufacturing, SJSU   Jan 2023 - May 2023
- Led a strategic analysis by leveraging a suite of Lean Six Sigma tools, like DMAIC, Failure Mode and Effect Analysis (FMEA), and Pareto charts, to drive process optimization in the manufacturing sector resulting in a 20% increase in overall efficiency
- Implemented Kaizen and 5S methodologies to streamline the assembly line, which resulted in a remarkable 71.9% reduction in non-value-added activities

SKILL SET

Data analysis and Visualization: SQL, Advanced MS Excel (Macros, Power Query, Pivot Tables), Power BI, Tableau, Alteryx
Procurement and Material Planning: WMS/TMS (Warehouse & Transportation Management Systems), SRM (Supplier Relationship Management), Oracle EBS (Enterprise Resource Planning), SAP IBP (Supply Chain Planning), MRP (Material Requirement Planning)
Utilities: MS Word, MS PowerPoint, MS SharePoint, Trello, Jira
Soft Skills: Decision-Making, Strategic Analysis, Data Interpretation and Presentation, Stakeholder Management, Cross-functional Collaboration, Negotiation, Proactive Accountability