

INDUSTRIAL ENGINEERING INTERN

Summary

Seeking for full time position where I can apply my technical knowledge & skills for continuous improvement. I have 26 months of experience in Lean Manufacturing, Production Planning and Supply Chain Management. Excellent computer and analytical skills.

Highlights

Application Software: MS Office, Minitab, PowerPoint, Excel, Solid works, AutoCAD, Pro E

Database: MS Access, SAP

Programming: Java, C, C++, Visual Basic, R, Python

Accomplishments

- Quality Control: Implementing of PDCA cycle for improving image quality of smartphone camera, implementing DMAIC cycle for improving quality issues related to cosmetic damages (scratches, bent, dent, etc.) using control charts and z transformation.
- Metrics & Measurements: Time study, Process Mapping, JIT, & Work Sampling of Activities.
- Intro to Statistics: Data analysis using normal & exponential distribution, simple & multi linear Regression.
- Project Management: Project planning, analysis, scheduling using CPM and PERT analysis.
- Production & Inventory Control: Develop assembly chart, process flow layout for subway with JIT.
- Facility Planning: Designing and planning picking process, rack arrangement, Shipping and receiving locations.
- Planning all warehouse process by analyzing previous order quantity records.
- Developing new process in warehouse for maximum utilization of assets and meet required shipping demand during peak session.
- Underwater Robot: Worked at IIT-Bombay workshop to make an underwater robot.
- The robot was assembled using sensors, switches and motors for maneuvering the robot.
- Technical Papers Inventory Management and Risk Pooling: Presented how centralized and decentralized distribution system affects safety stock, service level, overhead cost, customer lead time and transportation cost.
- Single Minute Exchange of Die concept: Explained how changeovers are not bad and how change over times could be reduced if the changeover process is mapped.

Experience

Industrial Engineering Intern

May 2015 to January 2016 Company Name i/4 City, State

- Conduct Time Study & perform analysis on data to determine hourly production scheduling, non value adding activities, reduce cycle time by 32% & lead time by 48%.
- Line balancing to achieve required takt time and reduce work in process (WIP) inventory.
- Implement Lean manufacturing such as Kaizen, 5S, documentation of Kanban card process & Continuous Improvement to reduce waste, inventory, non-value adding activity to improve productivity.
- Developed material picking charts which determines the exact quantity of items to be picked, thereby, enhancing material picking operations.
- Scheduling material required for production and manage inventory of raw material.
- Writing standard operating procedure (SOP) for various process in entire plant.
- Ergonomic designing of work cell to improve efficiency of workers.

Junior Engineer

July 2013 to June 2014 Company Name i/4 City

- Managed assembly line for traction and induction motors at Siemens.
- Responsible for supervising 4 Inspectors and 24 team members in the assembly department.
- Responsible for generating a production schedule and Process Planning for necessary changes based on customer priority and orders.
- Responsible for safety of everyone in the plant and Forecasting risk from data analysis and provide Strategy/planning for Lean Manufacturing Practices within the plant.
- Participate in monthly cost team projects, process improvement projects and assign cross-training projects and Kaizen projects to team members.
- Manage quality, day to day production, labor efficiency.

Intern

November 2012 to May 2013 Company Name i/4 City

- Developed the inspection process for motor accessories.
- Designed tools, gauges and fixture in AutoCAD and /or ProE as required.
- Managed the outsourced manufacturing of necessary tools, gauges or fixtures.
- Maintain Gauge Calibration database.
- Managed the calibration schedule with outside vendors or in-house calibration group.
- Worked in PM and QM modules of SAP R/3 to enter or retrieve data.
- Awareness of ISO 9001:2008 and ISO 14001(EMS), Integrated Management system (IMS) & Hazard identification and risk awareness

(HIRA) documents on shop floor.

Education

Masters of Science : Industrial Engineering Production & Inventory management , May 2016 University of Texas i¼ City , United States GPA: GPA: 3.5 Industrial Engineering GPA: 3.5 Production & Inventory management

Bachelor of Engineering : Production Engineering Manufacturing, Planning and Supply Chain , July 2013 Mumbai University India GPA: GPA: 3.5 Production Engineering GPA: 3.5 Manufacturing, Planning and Supply Chain

Skills

AutoCAD, C, C++, Calibration, charts, data analysis, Database, designing, documentation, Forecasting, IMS, inspection, inventory, ISO, ISO 9001, Java, Lean Manufacturing, MS Access, Excel, MS Office, PowerPoint, Minitab, process improvement, Programming, Python, quality, safety, SAP, SAP R/3, Scheduling, Siemens, Solid works, SOP, Strategy/planning, supervising 4, Visual Basic, reduce waste