

SACHIN SUNNY

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OBJECTIVE

Industrial engineer seeking an entry level position with growing expertise and interest in the field of quality, manufacturing and project management. Detail and result oriented with strong problem solving and analytical skills. Ability to prioritize and deliver on multiple projects bringing value to the team and achieving organizational goals.

EDUCATION

MS in Industrial Engineering, University of Texas at Arlington (3.50 out of 4.0 GPA) (2015-2017)

BS in Mechanical Engineering, MG University (3.30 out of 4.0 GPA) (2009-2013)

SKILLS

- Computer Programs: SAS, SPC Tools, MS Project, MS Excel, SolidWorks, Witness, Auto CAD, Minitab, R, SQL
- Knowledgeable in Lean Six Sigma Tools, Kaizen Methodologies, Lean Manufacturing, Project Management, Simulation Model, Regression Analysis, Linear Modeling, Forecasting Method, Operations Research, PFMEA

PROFESSIONAL EXPERIENCE

Manufacturing Engineering Intern at FLEX - Austin, TX (May 17 - September 17)

- Provided engineering assistance to reduce SMT manufacturing cost, cycle time, tracked production performance and created new capacity planning models for scheduling the SMT and NPI production.
- Worked as a liaison with other supply chain teams on the semiconductor manufacturing lines root cause/corrective action (RCCA) by conducting time studies, cost analysis and continuous improvement techniques.
- Collaborated with onsite team to resolve the bottleneck in warehouse and offline setups, resulting in increase in productivity and decrease in scrap rate through execution of 5S and Kaizen in operations and assembly
- Interrogating multiple data sources to produce reports and presentation for upper management and planning coordination using Excel, Access, Baan and MS Office.

Student Intern at Cochin Port Trust – Kerala (2013-2014)

- Proposed an optimized plant layout design which reduced the major non-value activity and motion of operators.
- Played a key part in the implementation of 5s system around the factory
- Conducted ergonomic study on existing stations by analyzing work postures and difficulties faced by laborers and calculated the work efficiency of individual members by conducting time and motion studies.
- Prepared and maintained Bill Of Materials for components and reported all the progress to the supervisors.

ACHIEVEMENTS AND AWARDS

- **Six Sigma Green Belt Certification** from IISE, Autodesk AutoCAD 2013 Certification
- Led the team which won the Flex Intern Competition of the year 2017
- Mechanical Engineering Student Representative (2011-2013), RA for the University Campus (2015-2016)
- Active members of Institute of Industrial Engineering (IIE), Engineering Student Council (ESC)

ACADEMIC PROJECTS

Simulation & Optimization of a Medical Equipment Manufacturing Facility

- Simulated material flow in the facility using Witness software and estimated the employee head-count profile over a range of production volume requirements.
- Identified bottlenecks or constraints that were limiting the facility's production and formulated the priority/production rules to ensure the best conformance to service time policies.

Simple and Multiple Linear Model Regression on House Sale of King County CA, from May 2015-2016

- Regression analysis is modeled using SAS to predict the house sale at King County, CA
- Residual analysis is performed using different parameters and the best model is obtained by best subset and backward regression, a final model with two original predictors is chosen.
- This model can be used to predict the final selling prices of houses as well as the factors that influence the price.

Project Management and scope development for Conveyor Belt

- Designed Work Breakdown Structure (WBS) for the project, identified major tasks and assigned resources to task.
- Developed Gantt chart for formulating the project time line, developed and analyzed the S-curve in MS Project