

## ENGINEERING INTERN

### Summary

Candidate with a fifteen months experience in production supervising and manufacturing seeking opportunity in field of Quality, Supply Chain and Manufacturing

### Highlights

DMAIC, Failure Modes and Effective Analysis (FMEA), Kaizen, Lean Manufacturing, 5S, Value Stream Mapping, Root Cause Analysis, PFMEA Quality tools: Statistical Process Control, Process Capability, ANOVA, Gage R & R Software: Programmable Logic controls (PLC), Discrete Control system (DCS), Microsoft office, Minitab, Pro-E, Working knowledge of Auto-Cad, C++, C, Visual Basics, Process flow diagram

### Accomplishments

- Manufacturing a 9 Volt battery with minimum process variability and cost of production Jan 2014 - April 2014 Designed statistical experiment to derive significant factors in manufacturing a baking soda based 9V battery Analyzed the voltage readings to achieve 9V with little variation possible by adjusting factors and at low cost using ANOVA, Fractional factorial, Central composite design, cost analysis, T-tests, Path of steepest ascent Applied statistical process control tools to check whether the process is in-control Used Capability analysis to compare actual process performance to the performance standards established by customers.
- Implementing quality assurance tools like method of steepest ascent, response surface modelling, statistical process control, process capability analysis to achieve the continuous production of consistent output 9V batteries Achieved results with minimum process variability at least possible cost Supply Chain Management and Initiatives at AMUL Dairy Sept 2013 - Dec 2013 Studied and analyzed the Supply Chain of AMUL Dairy and suggested improvements in their Supply Chain Management to maximize the profit Analyzed the role of information in the Supply Chain of AMUL dairy such as EIAS, GIS, DISK Advantages of E-initiative Suggested financial implications such as improve logistics transportation through integrated Railway system
- Reduced transportation time by choosing the nearer sites in their expansion plans Improved distribution network in retail outlets, supermarkets to increase reach Demand Forecast For Ellicott Food Court, Campus and Dining at University at Buffalo Sept 2013 - Dec 2013 Suggested improved forecasting techniques to reduce the wastage of food and maximize the profit Implementation of quantitative forecasting techniques over EFC'S subjective forecasting technique Lean Approach in Manufacturing and Healthcare Industry Jan 2014 - May 2014 Studied and Analyzed the case related to manufacturing industry Toyota Mapped A3 after analyzing the current issues, and suggested improvements and implemented corrective measurements Applied same approach in healthcare industry and brainstormed benefits Identified challenges and suggested methods in streamline current process.

### Experience

Engineering Intern May 2014 to Aug 2014

Company Name i¼ City, State

- Research and Development of new product, Rubber Screen Panels used in mining industries Manufacturing and Production of new product using Injection Molding technique Scheduling and Planning operations Implementation of strategic planning and control Application of Lean manufacturing Efficient handling Injection Molding machine Followed ISO 9001 Community Beer Works, Lean Six Sigma Intern.

Sep 2013 to Dec 2013

City, State

- Applied six sigma tools DMAIC to the transaction process in an organization Reviewed and applied 5S, cause and effect diagram, histogram, Pareto Chart, Value Stream Mapping etc.
- Analyzed and Improved process by which more profit can be generated by an organization Suggested use of a portal which reduces the lead time between ordering and receiving in transactional process National Organic Chemicals of India Limited (NOCIL) Rubber Chemical Division.
- Navi Mumbai, India.

Production Supervisor Jul 2011 to Jul 2012

- Supervised production unit known as CBS (n-cyclohexylamine 2- benzothiozole sulpanamide which produced chemical which is further used as accelerator in production of tires by clients such as MRF ( Madras Rubber Factory), Monsanto (company in brazil) Handled distillation columns, pressure vessels and valves controlled by PLC and DCS Efficiently maintained distillation columns without any single event of mishandling Followed hazardous operability process (HAZOP) Implementation of failure mode effective analysis (FMEA).

### Education

Master of Science, Industrial Engineering Dec 2014 University at Buffalo, The State University of New York GPA: 3.35/4.0 3.35/4.0 Industrial Engineering Design and Analysis of Experiments, Supply Chain Modelling and Optimization, Production Planning and Control, Six Sigma Quality, Facility Design, Quality Assurance, Sustainable Manufacturing, Lean Manufacturing, Computer Integrated Manufacturing, Project Management. Bachelor of Engineering, Chemical Engineering Aug 2011 University of Mumbai i¼ City, India Chemical Engineering Instrumentation and Process Control, Reaction Kinetics, Transport Phenomena, Environmental Engineering, Heat Transfer Operations, Mass Transfer Operations, Chemical Engineering Thermodynamics.

### Skills

Auto-Cad, C, C++, clients, HAZOP, ISO 9001, Logic, Microsoft office, Works, Minitab, Optimization, PLC, Pro-E, profit, Project Management, Quality, Quality Assurance, receiving, Research, Scheduling, Six Sigma, Statistical Process Control, strategic planning, Supply Chain, Visual Basics,