

# SABAREE THANGAVEL

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## SUMMARY

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- Pursuing Masters degree in Manufacturing Engineering at McMaster University preceded by Bachelors of Engineering in Production Engineering.
- Extensive practical understanding of Lean and Six Sigma Tools for Quality Management Systems.
- Green Belt Certification on Lean Six Sigma from Juran Academy.
- Knowledge of MRP and ERP thrived me to perfect a Demand Forecasting model targeting the entire Supply Chain Network of Local pump manufacturers in India.
- Currently working on a project with Edson for e-commerce packaging.
- Aspired to pursue a career in the field of Production optimization, Quality Control and Automated Systems Engineering.

## PROFESSIONAL EXPERIENCE

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### SALZER ELECTRICALS

#### QUALITY ENGINEER

##### Optimisation of Relay boards

Sep - Dec 2016

- Optimisation of overall dimensions of relay boards improving the process efficiency to 22%.
- Lead the team and performed cross functional training to quality team and designed for spatial circuitry arrangement for compact structure, retooled the existing process flow.
- This improves simplicity and concurrency with improved efficiency and error retraceability.

### FLOW LINKS

#### SIX SIGMA STUDENT CONSULTANT

##### Analysis of Work Flow

Apr - Jun 2016

- Developed project management skills by working with senior management and quality management team to target the spring bottleneck with 41% reduction in cycle time.
- Applied proper line balancing procedures and Six sigma methodology
- Built multi tasking ability to manage tool redesign and work area layout recommendations for process improvement and suiting the worker motion dynamics.

### CADBURY INDIA

#### PROJECT TRAINEE

##### Packaging Section

Jan 2017

- Designed a new proposed pathway for packaging new ranges of chocolates on a trail run basis and trained the project team with execution tracking and controlling.
- Exposed to the entire automated packaging system and given practical training on the system

## STANDARDIZATION ENGINEER

### Standardisation of Steels and Machinery

Apr - May 2015

Assist in developing new and innovative ways to maximise the performance of the project work

#### Ogun Steels Project

- Formulated minimal quality criteria as a part of standardizing efforts
- Consistently lead projects with utmost low severity defects in production and Improved the Quality of steel bars by finding the optimal temperature using Taguchi principles.

#### NN Engineering Products

- Implemented 5S principles by bringing coherence to disengaged disparate processes
- Introduced design and safety plans in the manufacturing framework.

## DESIGN ENGINEER

### UMS Technologies

Modelled and analysed the real time industrial components by doing appropriate structural and thermal analysis with an intensive course in Ansys workbench.

## POSITION OF RESPONSIBILITY

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### Joint President in Youth Red Cross, Cbe

Built and coordinated activities in the team and managed database with collection, categorization of rare blood units and distributed 453 units of blood in and around Coimbatore, India. Organised and lead the blood donation camps and gave pep talks on awareness schemes.

### Active Member in NO FOOD WASTE, Cbe

Developed good interpersonal skills by working with strong influential people from different NGOs and lead the team in the Edible Food Recovery Project serving the excess food from weddings, parties and other events to the hungry and deprived.

### Table Topic Speaker in Toastmasters, Cbe

Managing activities and worked in the creative team for events to improve public speaking and leadership skills. Mentored team members, helping them to organise different leadership events.

## PROGRAMMING LANGUAGES AND SOFTWARE

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Pro Engineer 5.0, Ansys Workbench, Solid Works, Minitab, R software, Basic C and C++ programming.

## ACHIEVEMENTS

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- Presented an Inventory Prediction Model at 'International Conference on Energy, Environment and Engineering' (ICEEE2016).
- Completed an Intensive Course in Ansys workbench covering Structural and Thermal Analysis.
- Earned Green Belt Certification (IND/CBE/19/1334) on Lean Six Sigma and completed training on Black Belt Lean Six Sigma.