Implementation of lean six sigma at Ayesha knitwear to reduce the rejection rate of garments

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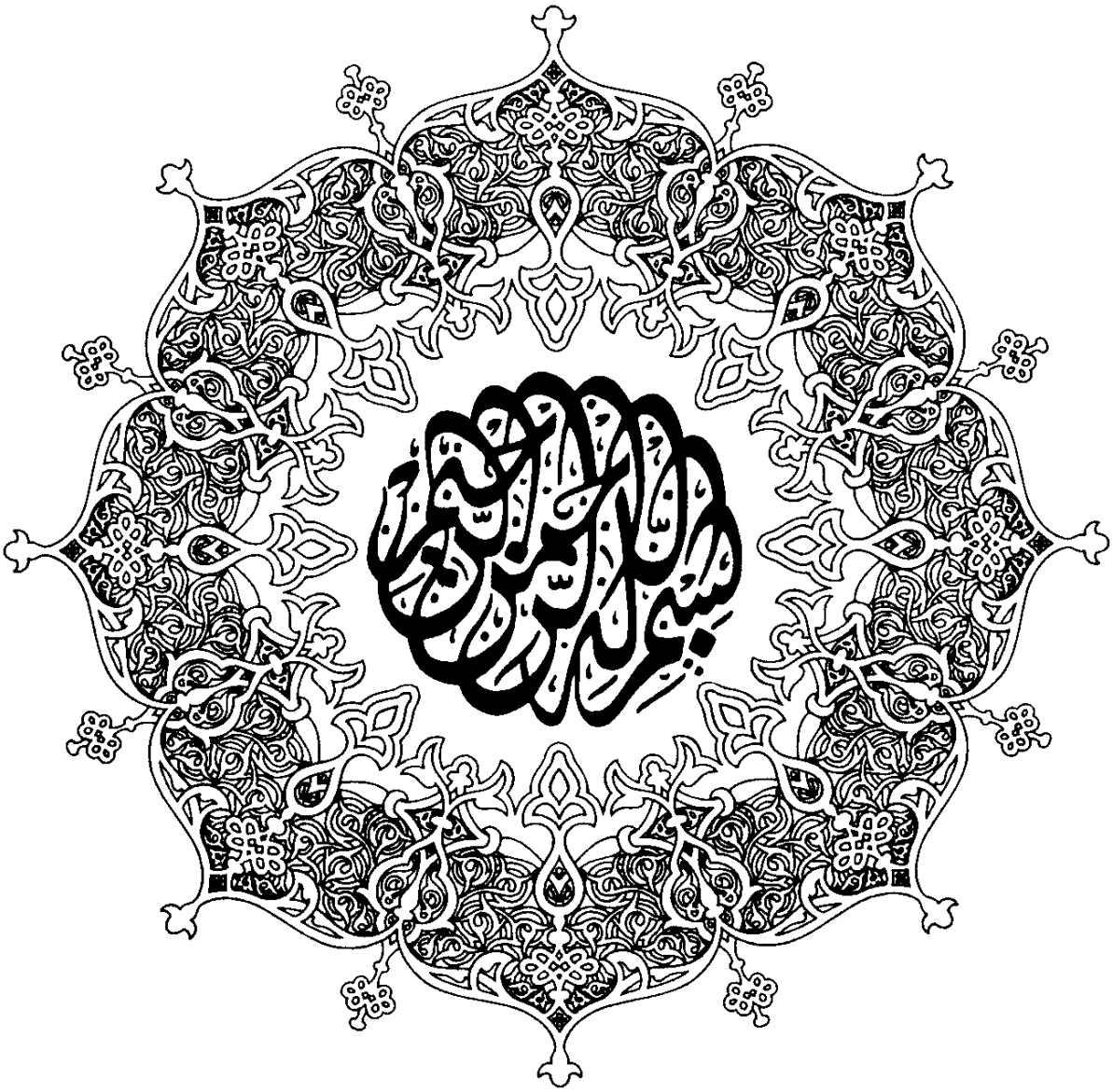
DEDICATION

We dedicate this project to our Parents for their endless support and Prayers for our success.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Abstract

As we see it is worldwide rivalry among the organization so it’s inflexible for one to earn profits without plummeting the denial rate of manufacturing goods. Denial rate of any good plays a vital part for customer fulfillment and financial circumstances of any company. Denial rate grounds an undeviating consequence on profit margin of a good and reduces the eminence of the product. Hence organizations are besieged to lessen denial rate throughout the manufacturing processes by using diverse quality techniques, scrutiny all through dissimilar operations, instigating modifications and severe quality checkups where rate of imperfections are high. Extraordinary denial rate in garments due to diverse number of blemishes during sewing is key problem encountered by Ayesha Fabrics. This project holds significant importance from the industries perspective because of customer discontent and financial losses being faced by the organization. Lessening in the denial rate is the project in which it is effectively attempted to prompt-out bases along with numerous other factors by adopting Lean Six Sigma approach. It was certain to device Lean and DMAIC methodology in sewing department where extraordinary denial rate of stitched garments was detailed. This exploration presents a broad study with concentration on implementation of Lean Six Sigma. The key aim of this exploration is to present DMAIC process of Six Sigma. The hurdles were being practically recognized in garments manufacturing industry during exploration. It was than measured to classify the range of difficulty so that it may be eradicated or condensed. Microsoft Excel and Minitab is being used for the statistical analysis. A prime resolution will be proposed along with areas of enhancement with reduced denial rate and offer a noteworthy financial welfares.

Contents

Chapter 1

Introduction To Lean Six Sigma

1.1) Introduction

In the first place there was 100% examination and afterward in the 1940s inspecting arrangements were produced to characterize satisfactory deformity levels. In the 1970s quality master Phil Crosby made a system called zero imperfections. This project was an uplifting method for disclosing to workers the idea that everything ought to be carried out right the first run through and no amount of disappointments or surrenders in the work yield was a satisfactory execution. It concentrated on getting the single person to focus on doing mistake free work. Representatives even marked a vow card, guaranteeing to do their work "right the first time."