UNIVERSITY OF MANAGEMENT & TECHNOLOGY

Course:	Project Phase 1 & 2
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Lena six sigma to decrease the rework and rejection in apparel unit

DECLARATION:

I have read and understood the College's definition of plagiarism.

I confirm that I have properly acknowledged all references and quotations from both primary and secondary sources in this submission.

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ABSTRACT

In this aggressive world market, most companies run their businesses on the contract base for revenue, on their existing manufacture. It makes sure the minimization of work loss and the approval of buyer soul. Apparel industries in Pakistan currently not yet use this concept. They pay extra concentration to production but overlook the giant part of waste because of waiting, inventory, underutilization of people, correction / rework, over production, motion (unnecessary physical movement), material movement transportation and extra processing.

Diagnose and study the every process in the sewing and finishing department on daily bases. It is necessary to diagnose the everyday problems like time efficiency, inline operation wise alteration fault percentage, end line repair percentage rejection percentage, off standard time due to machine delay/ breakdown, bundle delay induction, other quality issues and also rework cost/operation. Similarly, prevention is very essential before waiting for any breakdown.

We assume these words “improvement process” according to the demand of environment can help firm’s for achieving the high productivity growth.

The Lean Six Sigma Manufacturing concept in the Apparel Industry can reduce the functioning cost in developed by removing the process waste; improve the production in the implementation process and turning into a learning group.

In this Company: MISHAL APPAREL project we shall apply Lean Six Sigma using DMAIC approach in the production process using different appropriate tools and techniques. We suppose that Lean Six Sigma principles will help to review the all processes and services also for the shipment/manufacturer and it also help us to focus on the reducing unnecessary expenses, reducing waste and getting better ineffective procedures.

Table of Contents

1.1 INTRODUCTION

The development of manufacturing industries is essential for the economic survival of a country. Quality is a major perspective of manufacturing. The importance of quality could never be neglected in a manufacturing firm. It is nearly impossible to survive in global competition without improving quality. To provide customers with quality of products at a reasonable price and this is essential to manage the actual problems. The rejection rate is one of the biggest most important issues focused on the quality of the processing industry, which could be the cause of a direct impact on our earnings. Lean Six Sigma is an efficient method using to fix a problem. In this lesson, Lean Six-Sigma and/or their basics are explained here. The main aim of this study is to control and reduce the actual rejection rate/products with the increasing in profit of businesses, with the achievements of customer satisfaction through implementation/applying the Lean Six-Sigma. This research presents a comprehensive study which focuses on the implementation of Lean Six Sigma five basic phases 1Define, 2Measure, 3Analyze, 4Improve and 5Control (DMAIC) methodology for reduction of rejection rate.