



## **Application of Six Sigma Practice for Quality Improvement in Textile Industry**

**M.S. Kumaravel<sup>1\*</sup>, G.Boopathy<sup>2</sup>, S.Mohamed iqbal<sup>3</sup>**

<sup>1</sup> Department of Mechanical Engineering, Sri Jayaram Institute of Engineering and Technology, Gummidipoondi-Chennai-601201, India

<sup>2</sup> Department of Aeronautical Engineering, VeltechDr.RR& Dr.SR University, Avadi, Chennai-600062, India

<sup>3</sup> Department of Mechanical Engineering, VeltechDr.RR& Dr.SR University, Avadi, Chennai-600062, India

**Abstract:** This article presents a quality improvement study applied at a textile manufacturing industry, for the effective and efficient management to handle and have a good internal climate inside the textile industry. The study also intends to find out additional features and service that would be added to the textile industry to make it more profitable using six sigma tools. By identifying areas of inefficiency and acting on performance barriers in textile industry a detailed report has been made to gain a fresh and different perspective to arrange to purchase the supply of Quality ginned cotton and other manmade fibres for the requirements at competitive rate. It also Survey the areas of dissatisfaction to facilitate management in the creation of greater efficiency. Conclusions were drawn from the data, and recommendations were made to the management team of the textile industry for eliminating defects in process from manufacturing to transactional and product to service. Also detail suggestions were made for increasing the operational efficiency of the spinning mills.

**Keywords:** Textile Industry, Inefficiency, Survey analysis, Defects, Manufacturing.

**G.Boopathy *et al***/International Journal of ChemTech Research, 2017,10(5): 817-823.

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