

*"Think in
other terms..."*



National University of



Science and Technology



FACULTY OF INDUSTRIAL TECHNOLOGY

DEPARTMENT OF TEXTILE TECHNOLOGY

**QUALITY SYSTEMS REENGINEERING FOR HIGHER EFFECTIVENESS BY
OPTIMISING ON HISTORIC DATA: CASE FOR KARINA PRIVATE LIMITED**

BY

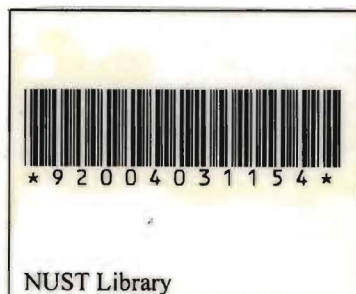
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ABSTRACT

Over the years Karina Private Ltd has set vast amounts of resources to monitor, control and implement its quality policies. Performance targets for its products (Carpets and Hand Knitting Yarn) were set at the beginning of every financial year but these targets remain unattained year in year out resulting in large losses in potential revenue which is attributable to high defect rates. With this background in mind it is imperative to address the current situation by lowering the sub-quality rates.

This project seeks to radically redesign the existing Quality System thereby removing inefficient ways of managing quality. This Radical Redesigning starts by measuring the status of the existing Quality System that is “What is the current situation on the ground?” After measuring, the adequacy of the existing System is determined. From the Status Report, the systems deficiencies, problem areas or waste areas are identified and each one valued and prioritized according to its cost and frequency of occurrence.

Having identified the waste areas of the existing System, recommendations are made for Reengineering by the company. Naturally any change comes with some positive impacts as well as with the negative. For Karina’s executives to decide whether to adopt the changes proposed they have to be enlightened as to what are the magnitudes of the positive and negative impacts. Therefore, the research produced a report of these likely impacts. The negative impacts require further treatment that is “How can they be lowered?” The project covers this in Mitigation Plans which were produced as plans to reduce the risk associated with the negative impacts.