

**Study of Yarn Faults, their Identification, Reasons,
Rectification and Impact on Subsequent Processes**

Capstone Project – II

Project Advisor

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Submitted By

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DEDICATION

**TO OUR BELOVED PARENTS AND
TEACHERS.**

Introduction

The topic of project (Capstone Project II) is **Yarn Faults, their Identification, Reasons, Rectification and Impact on Subsequent Processes**. The advisor of our project is Dr. Sarwar Rana. There are 3 members associated with this project work. The experimental work of this project work is carried out at C.A Textile Spinning Mill, Sheikhpura Road Lahore.

It has been widely reported that the defects in cotton yarn are main reason of yarn rejection from weaving mill. The main faults which are undertaken by the weaving mill are classmate, periodic and deviation from the prescribed quality. This project has been undertaken to study the various aspects of yarn faults produced in cotton ring spinning process, its rectification and prevention from occurring.

For the sake of better understanding the project is divided into three sections, First is the introduction of spinning process, second is the study of yarn faults, reasons & classification and third is the yarn faults rectification and their effect on subsequent processes.

In first section, we have discussed about the raw material, machines and all the operations involved in spinning process. Second section includes the complete study of yarn faults, their classification. While third portion contains the study of precautionary methods to overcome on the yarn faults and also the study of effect of yarn faults on subsequent processes.

We have undertaken this topic as our project work because the end product of spinning process is the yarn and the quality of yarn is very important for its use in subsequent processes, if the spun yarn has different faults then it will result in faulty fabric and ultimately having problems in wet processing. So this study on yarn faults will help to overcome on the problems at initial stage that will result the faults in subsequent processes.