

# ANALYSIS OF GARMENTS DEFECTS AND PURPOSAL FOR THEIR REMEDIAL PLAN

## CAPSTON PROJECT

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# CHAPTER 1

## INTRODUCTION TO SPINNING FAULTS

### COUNT VARIATION

#### **DEFINATION:**

For a certain count if the c.v % of yarn is more than 1% then the yarn is said to have count variation. It is the long term variation of yarn appearing regularly in both warp and weft direction. This spoils the appearance of the fabric.

#### **RAESONS:**

- ❖ Improper feed at the creel of ring frame.
- ❖ Due to jamming of the creel.
- ❖ Traveler cleaner wrong setting causes count variation.
- ❖ If the pressure on bottom roller is not adjusted results in count variation.
- ❖ Due to usage of wrong OCP( draft change pinion)

#### **REMEDIES:**

- ❖ Drafting system should be checked continuously and carefully.
- ❖ Mixing of bobbins of different count of yarn should be avoided.
- ❖ Avoid by careful setting of winding machine

## SHADE VARIATION

### **DEFINITION:**

If different shades are seen on the surface of fabric even if all the threads are of the same count then this fault is known as shade variation. The result is the fluorescent effect which also comes as non uniform dyeing of fabric.

### **Sample**



### **REASONS:**

When the cotton of different areas is mixed in the blow room or on drawing frame then the yarns of different shades are produced.

### **REMEDY:**

Mixing should be done uniformly and properly.

At least 20 bales of cotton from one area must be mixed with same quality of the cotton from another area to avoid shade variation.