

**VISVESVARAYA TECHNOLOGICAL UNIVERTY
BELGAUM – 590 018, KARNATAKA.**



A PROJECT REPORT ON

**“STUDY OF KNITTED FABRICS MADE FROM COMPACT YARN
WITH DIFFERENT TWIST MULTIPLIERS
-IT’S EFFECT”**

(Sponsored by KSCST, Bangalore)

Submitted in partial fulfillment of the requirements for the award of the degree of

**BACHELOR OF TECHNOLOGY
IN
TEXTILE TECHNOLOGY**

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JUNE-2013

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ABSTRACT

Compact spinning technology has been identified as a revolution in ring spinning. This technology is claimed to offer superior quality and better raw material utilization than the existing ring frame technology.

In this project, an attempt has been made to study the geometrical properties of single jersey weft knitted fabrics made from ring and compact spun yarn using different twist multipliers. Three different twist multipliers i.e. 3.32, 3.64, and 3.99 are selected to spin both ring and compact yarn by keeping the other parameters unchanged. Single jersey knitted fabrics were produce from cotton and polyester cotton blended mixing on ring and compact spinning technology. These fabrics were tested for both dimensional and geometrical properties and conclusion is drawn accordingly.