VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590 010

A PROJECT REPORT ON

" WASH AND WEAR FINISHING OF SILK FABRICS "

(SPONSORED BY K.S.C.S.T.)

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

Bachelor of Technology

In

Textile Technology

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PROJECT GUIDE

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ABSTRACT

A water-soluble bifunctional polyurethane wpu200 is used for wash and wear finishing of silk fabrics. Finishing was done at five different concentration and two different temperature using pad-dry-cure technique. Both control and treated fabrics were tested for various physio-mechanical properties like, fabric crease recovery angle(CRA) in both dry and wet condition, drape co-efficient(DC), tensile strength, breaking elongation, moisture regain(MR) and flexural rigidity. Obtained results were analysed to see the effect of the above finish on various properties of silk fabrics. It was found that WPU200 is an effective finish for imparting durable press(DP) properties for silk fabrics. Improvement in the crease recovery angle is found to be concentration and temperature dependent. It was found that there is some reduction in tensile, stiffness and moisture related properties of fabrics as a result of finishing the fabric with WPU200.