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NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF INDUSTRIAL TECHNOLOGY

DEPARTMENT OF TEXTILE TECHNOLOGY

PROJECT TITLE: ***EFFECT OF WET PROCESSING ON TERRY WOVEN FABRIC DIMENSIONAL STABILITY AND AREAL DENSITY***

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ABSTRACT

This is a study set to investigate the effect of wet processing on terry woven fabric dimensional stability and areal density. An experimental work has been conducted with three different terry products, Tufty, Lotus and Gold label. The terry woven products' dimensional shrinkage during and after wet processing were found to be 2.4 and 14.6% depending on the product constructional structure. The theoretical and experimental determined areal densities of all the products increased due to wet processing. A close relationship is found between theoretical and experimental areal densities. It is concluded that the use of mathematical approach with the support of some experimental data like dimensional shrinkage help in attaining the required areal density.