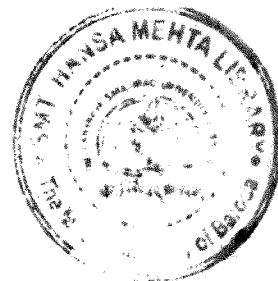


## **CERTIFICATE**



This is to certify that the thesis entitled “**Performance Characteristics of Elastane Incorporated Woven and knitted Fabrics for Garments**” being submitted in the partial fulfillment of the requirement for the degree of **Doctor of Philosophy in Clothing and Textiles, Faculty of Family and Community Sciences**, to the Maharaja Sayajirao University of Baroda, Vadodara embodies the results of bonafide research work conducted by **Mrs. Hemlata Raval** under my guidance. The contents presented herein have not been submitted for the award of any other degree or diploma. The thesis is fit for submission and evaluation.

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**Prof. (Dr.) Anjali Karolia**  
Head and Guide  
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**Mrs. Hemlata Raval**  
Investigator  
Registration No. 7602, August 12, 2004  
Vadodara.

## Endorsement from the Supervisor



Mrs. Hemlata Raval, has researched extensively on the topic “**Performance Characteristics of Elastane Incorporated Woven and Knitted Fabrics for Garments**” vide Registration No.7602, (Dated August 12<sup>th</sup>, 2004). She has presented her progress of work in seminars well attended by teachers and students of the department. She has completed coursework and successfully cleared her Comprehensive Examination.

She has personally presented a poster at State level seminar on “*Effect of Stretch on Dimension Stability of Garments made from Cotton and cotton/Lycra Rib knitted fabrics*” organized by Home Science Association of India Gujarat State branch and Bhavan's A.K. Doshi Mahila College on 7<sup>th</sup> and 8<sup>th</sup> December 2009, Jamnagar, Gujarat. She won the First prize for Best poster (Teacher Category).

She has also published a research paper entitled, “Garments made of cotton/Lycra knits” in *The Indian Textile Journal*, January 2011.

**Ph.D. Guide & Head**  
Prof. (Dr.) Anjali Karolia

**Dean**  
Prof. (Dr.) Uma Joshi