DECLARATION

I here declare that the topic entitled "Investigation of structural and mechanical properties of Polymer-silica nanocomposite" which is submitted herewith to The Maharaja Sayajirao University of Baroda, Vadodara for the fulfillment of the award of the degree of **DOCTOR OF PHILOSOPHY IN TEXTILE ENGINEERING** is the result of the work carried out by me in Department of Textile Engineering, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, under the able guidance of Dr. S. S. Bhattacharya, Professor, Department of Textile Engineering, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Under the able guidance of Dr. S.

I further declare that the result of this work has not been previously submitted for any degree / fellowship.

A.B.C. Lundher

Place: Vadodara Date:

(Satyajeet B. Chaudhari)