DECLARATION

I declare that the thesis entitled "CONTRIBUTIONS TO INVENTORY MODELS FOR DETERIORATING ITEMS WITH RANDOM SHELF LIFE" has been prepared by me under the guidance of **Dr. Vipul Kalamkar** Professor of Statistics, The Maharaja Sayajirao University of Baroda. No part of this thesis has formed the basis for the award of any degree or fellowship previously.

ARPITA N. SHAH

Department of Statistics,

Faculty of Science,

The M. S. University of Baroda,

Vadodara – 390 002, Gujarat

Date: