## **CERTIFICATE**

I certify that Mrs. Arpita N. Shah has prepared her thesis entitled "CONTRIBUTIONS TO INVENTORY MODELS FOR DETERIORATING ITEMS WITH RANDOM SHELF LIFE", for the award of PhD degree of The Maharaja Sayajirao University of Baroda, under my guidance. She has carried out the work at the Department of Statistics, The Maharaja Sayajirao University of Baroda.

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