

## DECLARATION BY THE STUDENT

I hereby declare that:

- I. The thesis comprises only my original work towards the Ph.D. except where indicated.
- II. Due acknowledgement has been made in the text to all other materials used.
- III. This work has not formed the basis for the award of any degree, diploma, fellowship, associateship or similar title of any University or Institution.

**Shilpa S. Patel**

Department of Applied Mathematics,  
Faculty of Technology and Engineering,  
The Maharaja Sayajirao University of Baroda,  
Vadodara-390001

Date:

Place: Vadodara

## **DECLARATION BY THE GUIDE**

This is to certify that Shilpa S. Patel has worked under my guidance to complete the thesis entitled “**RECENT TRENDS IN CONVERGENCE AND SUMMABILITY OF GENERAL ORTHOGONAL SERIES**” which is being submitted herewith towards the requirement for the degree of Doctor of Philosophy in Applied Mathematics.

**Professor(Dr.) Dhanesh P. Patel**  
Department of Applied Mathematics,  
Faculty of Technology and Engineering,  
The Maharaja Sayajirao University of Baroda,  
Vadodara-390001

Date:  
Place: Vadodara