

## **DECLARATION**

I hereby declare that the thesis entitled “**Synthesis and Characterization of LaX (X = O, S, F) Compounds and their Application in the field of Photoluminescence and Upconversion materials**”, which is being submitted for the fulfillment of the requirements for the award of the Degree of Doctor of Philosophy in Applied Physics, to The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat is a record of my own, original research work and has not been submitted in part or full to any other University or Institute for the award of any degree or diploma. Due acknowledgment has been cited for the literature that was referred for carrying out the present work.

Place: Vadodara

Date: 19/08/2021



**Mr. Kevil Shah**  
(Ph. D. Student)

Applied Physics Department  
Faculty of Technology & Engineering  
The M. S. University of Baroda