## The thesis entitled

## Synthesis, Characterization and Applications of Up-conversion Phosphors

to be submitted to

## The Maharaja Sayajirao University of Baroda

for the degree of

**Doctor of Philosophy** 

in

**Applied Physics** 

by

Sohankumar M. Chauhan

under the supervision of

Dr. Bishwajit S. Chakrabarty



**Applied Physics Department** 

**Faculty of Technology & Engineering** 

The M. S. University of Baroda

Vadodara

October 2018