

Study of Optical and Thermoelectric Properties of Rare Earth Based Nanosulphides

A Thesis

Submitted to

The Maharaja Sayajirao University of Baroda

For the Award of the Degree of

Doctor of Philosophy

In

Applied Physics

By

Kavita Ramchandra Kolte

Supervisor

Dr. Bishwajit S. Chakrabarty

Associate Professor

Department of Applied Physics

Faculty of Technology and Engineering

The M.S. University of Baroda

Vadodra-390001



Department of Applied Physics

Faculty of Technology & Engineering

The M. S. University of Baroda Vadodara

December 2021