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**DEVELOPMENT OF RARE EARTH BASED  
NANOCRYSTAL PHOSPHOR FOR DISPLAY  
APPLICATIONS (SOL-GEL METHOD)**



A Thesis submitted to

**THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**

For the Award of the Degree of

**DOCTOR OF PHILOSOPHY**

IN

**APPLIED PHYSICS**

By

**RAHUL GHILDIYAL**

Regd. No. 001058 dt.18-08-2003

Under the Guidance of

**Dr. K.V.R. Murthy**



**Applied Physics Department  
Faculty of Technology and Engineering  
The M.S. University of Baroda  
Vadodara-390 001 (India),  
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