



# APPLIED PHYSICS DEPARTMENT

FACULTY OF TECHNOLOGY AND ENGINEERING  
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA  
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DST-FIST & UGC-DRS Sponsored Department

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## Certificate

This is to certify that the work incorporated in the Ph. D. thesis entitled  
“Synthesis, Characterization and Applications of Up-conversion Phosphors”  
submitted by **Mr. Sohankumar M. Chauhan**, comprises the results of  
independent and original investigations carried out by the candidate under my  
supervision.

**Guide**

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