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CERTIFICATE

This is to certify that the thesis entitled "**DEVELOPMENT OF RARE EARTH BASED NANOCRYSTAL PHOSPHOR FOR DISPLAY APPLICATIONS (SOL-GEL METHOD)**" which is being submitted by **Mr. Rahul Ghildiyal** in fulfillment for the degree of "**Doctor of Philosophy**" in Applied Physics to The Maharaja Sayajirao University of Baroda has been carried out by him under my guidance. The matter presented in this thesis incorporates the results of independent investigations carried out by the candidate himself. The matter presented in this thesis has not been submitted elsewhere for the award of any other degree.

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