Declaration

I hereby certify that the matter embodied in the thesis entitled **"Synthesis and characterization of Inorganic Semiconductor Nanoparticles and their applications"** has been carried out by me at the Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, under the guidance of Dr. Hemant P Soni and that it has not been submitted elsewhere for the award of any degree or diploma. The work presented in the thesis is original. Any omission which might have occurred by oversight or error is regretted.

Date:
Place: Vadodara

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