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## **CERTIFICATE**

The Thesis entitled "Carrier- Phonon Interactions in Diluted Nitride Nanostructures" being submitted to The Maharaja Sayajirao University of Baroda, Vadodara for the award of Doctoral degree in Physics is a report of bonafied research carried out by *Mr. Ankur A. Pandya*, under my guidance and supervision, in the department of physics, The Maharaja Sayajirao University of Baroda, Vadodara.

The work presented in the thesis is original and has not been submitted elsewhere for the award of any research degree.

Place: Vadodara

Research Advisor