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### **CERTIFICATE**


The Thesis entitled **“PHONONS IN SOME COMPOUND SEMICONDUCTORS AND DILUTED MAGNETIC SEMICONDUCTORS AT HIGH PRESSURE”** 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. Satyam M. Shinde, 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.

Date: 25.09.2006  
Place: Vadodara

  
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