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Date: 06th December 2021

CERTIFICATE

This is to certify that the research work embodied in the thesis entitled **"An Experimental Study of $InSb_{1-x}Bi_x$ Single Crystals and Thin Films"** submitted by **Mr. Ketan Chaudhari** for the award of the degree of **Doctor of Philosophy** in Physics to The Maharaja Sayajirao University of Baroda, Vadodara is authentic and original research work carried out by him under my guidance and supervision in the **Department of Physics**, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara. The research work presented in the thesis is the original work of the candidate and is worth consideration for the award of above said degree. The results presented in this thesis have not been submitted to any other University/Institute for the award of any degree.

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