

DECLARATION

I declare that this thesis entitled, “**DESIGN AND DEVELOPMENT OF ADAPTIVE OPTICS SYSTEM IN VISIBLE AND NEAR INFRARED BAND FOR IUCAA 2 M TELESCOPE**” has been prepared by me under the guidance of **Dr. Arunava Bhadra**, Senior Research Physicist of **High Energy & Cosmic Ray Research Centre, University of North Bengal** and **Prof. A.N. Ramaprakash** of **Inter-University Centre for Astronomy and Astrophysics, Pune, India**. No part of this thesis has formed the basis for the award of any degree or fellowship previously.

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