

## THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

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### Certificate

This is to certify that the work included in this thesis "**Study of Neutron and Charged Particle Emission Mechanism in Heavy Ion Reactions**" is an original piece of work done by Mr. Jaimin Acharya, under my guidance and supervision for the degree of Doctor of Philosophy, in the Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India and the candidate has put in attendance of more than three years with me.

To the best of my knowledge and belief the thesis

1. Embodies the work of the candidate himself,
2. Has duly been completed,
3. Fulfills the requirements of the ordinance relating to the PhD degree of the university and
4. is up to the standard both in respect of content and language for being referred to examiner.

*S. Mukherjee* 12/8/2021

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