

Declaration by the candidate

I hereby declare that the work embodied in the present thesis entitled Study of projectile breakup processes on elastic scattering and fusion-fission reactions around the Coulomb barrier has been carried out by me under the supervision of Prof. S. Mukherjee. This work has been carried out in Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, India, approved by Council of Post Graduate Studies and Research and in active collaboration with Tata Institute of Fundamental Research (TIFR), Mumbai and Bhabha Atomic Research Centre (BARC), Mumbai.

I have put in more than two years of attendance with the supervisor at the university. I further declare that to the best of my knowledge neither the thesis nor any part thereof has been submitted for any degree whatsoever.

Date:

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