

**Department of Physics, Faculty of Science
The Maharaja Sayajirao University of Baroda, Vadodara**

Declaration by the Candidate

I, hereby declare that the research work reported in the thesis entitled “*Study of Neutron Induced Reactions of Different Materials for Reactor Applications*” is the result of the study carried out by me under the supervision of Prof. N. L. Singh. The work has been carried out in the Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India using the irradiation facilities of FOTIA-BARC and 14UD TIFR-BARC Pelletron Linac Accelerator, Mumbai, India.

I have put more than seven years to complete the work with full attendance at the university. I further declare that the results of the thesis have not been submitted to any other university or institute for the award of any degree.

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