## Certificate from the thesis supervisor

This is to certify that the work included in this dissertation "Study of Neutron Induced Reaction Cross Sections up to 18 MeV for Advanced Reactor Design" is an original piece of work done by Vibha B. Vansola, under my guidance and supervision for the degree of Doctor of Philosophy, in the Physics Department of Science Faculty, The Maharaja Sayajirao University, India and the candidate has put in attendance of more than two years with me.

To the best of my knowledge and belief the thesis

- 1. Embodies the work of the candidate herself,
- 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.

Prof. S. Mukherjee Thesis Supervisor

Forwarded through:

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Head,

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Dean, Faculty of Science