



**THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**

DOCTORAL THESIS

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**Study of nuclear reactions for structural  
materials and investigation of reactor shielding**

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*Submitted by:*  
**Bhargav Soni**  
*Reg. No. FOS/2076*

*Supervisor:*  
**Prof. S. Mukherjee**

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Faculty of Science  
The Maharaja Sayajirao University of Baroda  
Vadodara-390002  
Gujarat, INDIA  
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