## **CERTIFICATE**

## DEPARTMENT OF BIOCHEMISTRY FACULTY OF SCIENCE

## THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, VADODARA VADODARA- 390 002, GUJARAT, INDIA

## STATEMENT UNDER O. Ph.D.8/(iii) OF THE M. S. UNIVERSITY OF BARODA, VADODARA

This is to certify that the work included in present thesis entitled "Studies on Functional Effects of β-Bulge Mutations and UbEP42 Derived Double Mutations of Ubiquitin in *Saccharomyces cerevisiae*" has been actually carried out by Mr. Prranshu Yadav, under my direct supervision and guidance. The work accomplished in the thesis is original and with innovative findings. The thesis has not been submitted in any other form for award or any degree, diploma, unless otherwise stated. The thesis appraises an original work gratifying the criteria more excellently for the award of the degree of Doctor of Philosophy from The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India.

Prof. C. Ratna Prabha

Research Supervisor,

Department of Biochemistry,

Faculty of Science,

The M.S. University of Baroda,

Vadodara - 390 002