



## Department of Chemistry

**DST-FIST Sponsored Department**

**The Maharaja Sayajirao University of Baroda**

Faculty of Science, Vadodara - 390 002, INDIA.

☎ : (+91-265) 2795552

No. : CHL/

Date : 05/05/2007

### CERTIFICATE

This is to certify that the work presented in the thesis entitled **“RELATION BETWEEN MAGNETIC PROPERTIES AND STRUCTURAL CHANGES IN NEW BINUCLEAR COMPLEXES WITH MULTIATOMIC BRIDGES”** submitted in the Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, for the award of Ph.D. degree by Ran Bahadur, is the original research work carried out by him under my guidance and supervision.

**Dr. N. D. Kulkarni**  
(RESEARCH SUPERVISOR)  
Reader in Inorganic Chemistry  
Department of Chemistry  
The Maharaja Sayajirao University of Baroda

**Head,**  
Department of Chemistry  
The Maharaja Sayajirao University of Baroda