



## DECLARATION

I hereby declare that the matter embodied in the thesis entitled “*Synthesis, characterization and crystal structure of pyrazolone based metal complexes and study of their catalytic activities & fluorescence properties*” has been carried out by me under the guidance of **Dr. Rajendrasinh N. Jadeja**, Assistant Professor, Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India. I also affirm that this work is original and has not been submitted either as whole or in part for any other Degree, Diploma, Associateship, Fellowship by me or other similar title to any candidate of any University or Institute.

It is further declared that the present thesis does not contain materials previously published. The intellectual content of this thesis genuinely represents an original work carried out by me. Any contribution made to the research by others, in collaborations, has been explicitly cited and acknowledged throughout the thesis. Any omission, which might have occurred by oversight or error, is regretted.

**Date: 16<sup>th</sup> June 2014**

**Place: Vadodara**

  
**(Sanjay Parihar)**