

DECLARATION BY THE CANDIDATE

I declare that the thesis entitled “*Synthesis of Nano Structured Magnesium Based Alloys for Optimal Hydrogen Storage for Power System Application*” is my own work carried out under the guidance of *Dr. V. Shrinet* at Technology Centre, Electrical Research & Development Association (ERDA) , Makarpura, Vadodara, India and *Prof. N. L. Singh* at Physics Department, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, India. I have put in research work for requisite number of terms as required by the University.

I further declare that to the best of my knowledge, the thesis does not contain any part or any work, which has been submitted for the award of any degree either this University or in other University / Institute without proper citation.

Kanti G. Bambhaniya