



## CERTIFICATE

This is to certify that thesis entitled "**AN INVESTIGATION ON THERMAL PERFORMANCE AND POLLUTANTS EMISSIONS OF DIESEL ENGINE OPERATED WITH HYDROGEN BLENDED FUEL**" being submitted by **Mr. Duraid F. Maki** to **THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**, Vadodara in the Faculty of Technology and Engineering for the award of the degree of "**DOCTOR OF PHILOSOPHY**" in Mechanical Engineering, is a record of bonfide research work carried out by him. **Mr. Duraid F. Maki** has worked under my supervision and guidance and has fulfilled all the requirements for the submission of this thesis, which to our knowledge has reached the requisite standard. The results contained in this thesis have not been submitted, in part or full, to any other degree or diploma at any institute or university.

Guide:

Dr. P. Prabhakaran

Professor, Mechanical Engineering Department  
Faculty of Technology and Engineering,  
The Maharaja Sayajirao University of Baroda, Vadodara

  
18/11/2010.

I/c Head

Mechanical Engineering Department  
Faculty of Technology and Engineering,  
The Maharaja Sayajirao University of Baroda,  
Vadodara

  
Dean

Faculty of Technology and Engineering,  
The Maharaja Sayajirao University of Baroda,  
Vadodara