

# Certificate

This is to certify that the thesis entitled “**Design, Implementation And Performance Study Of Gigabit Ethernet Protocol Using Embedded Technologies**”, submitted by Mrs. Vinaya Rajendra Gad, for the award of the degree of Doctor of Philosophy in Electronics, is based on her original and independent work carried out by her during the period of study, under my supervision. The thesis or any part thereof has not been previously submitted for any other degree or diploma in any University or institute.

Place : Goa University  
Date: 15<sup>th</sup> April 2014

( G. M. Naik )  
Research Guide