

## **CERTIFICATE**

This is to certify that the thesis entitled “**Design of PFPID Controller for real time effective control of speed and suspension of 12/14 Hybrid Pole Self Bearing Switched Reluctance Motor**” submitted by Mr. R. S. R. KRISHNAM NAIDU in the Department of Electrical & Electronics Engineering GITAM Deemed to be University for the award of degree of Doctor of Philosophy is a record of bonafide research work carried out under my supervision.

Date:

Signature of the Supervisor

**(Dr. U. SALMA)**

**ASSOCIATE. PROFESSOR**