

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI

CERTIFICATE

This is to certify that the thesis entitled “**Development of Hybrid Energy Storage System and Energy Management Strategies for Fuel Economy Improvement in Hybrid Electric Vehicle**” and submitted by **Krishna Veer Singh**, ID No. **2016PHXF0005P** for award of Ph.D. of the Institute embodies original work done by him under my supervision.

Signature of the Supervisor

Name: Prof. Hari Om Bansal

Designation: Professor

Signature of the Co-Supervisor

Name: Prof. Dheerendra Singh

Designation: Associate Professor

Date: