## CERTIFICATE

It is certified that the work contained in the thesis titled "CONDITION MONITORING AND PROTECTION OF INDUCTION MOTOR CONSIDERING RELIABILITY ASPECTS" by "SANJAY KUMAR" has been carried out under our supervision and this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive, Candidacy and SOTA.

Signature of Supervisor

22:07.2019

Professor (Dr.) D. N. Vishwakarma

Department of Electrical Engineering, Indian Institute of Technology (BHU), Varanasi-221005, (Uttar Pradesh), India Signature of Co-Supervisor

Professor (Dr.) R. K. Saket

Department of Electrical Engineering. Indian Institute of Technology (BHU), Varanași-221005, (Uttar Pradesh), India