## **CERTIFICATE**

It is certified that the work contained in the thesis titled "Polymers functionalized porphyrin and carbon materials for electrochemical applications" by "Chandra Jeet Verma" has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

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

Prof. Rajiv Prakash (Supervisor)