

## **TEZPUR UNIVERSITY**

## **Certificate of the Supervisors**

Date: 27-12-2017

This is to certify that the thesis entitled, "*Studies on development of newer catalytic protocols for oxidative C-C and C-heteroatom bond formation reactions*" submitted to the School of Science, Tezpur University in part fulfillment for the award of the degree of Doctor of Philosophy in Chemical Sciences is a record of research work carried out by Mr. Abhijit Mahanta under our supervision and guidance.

All help received by him from various sources have been duly acknowledged.

No part of this thesis has been submitted elsewhere for award of any other degree.

Supervisor

Co-supervisor

(Dr. Ashim Jyoti Thakur) Professor Department of Chemical Sciences Tezpur University Assam, INDIA 784028 E-mail: <u>ashim@tezu.ernet.in</u> ajtthax@yahoo.com (Dr. Utpal Bora) Assistant Professor Department of Chemical Sciences Tezpur University Assam, INDIA 784028 E-mail: <u>ubora@tezu.ernet.in</u> <u>utpal06@gmail.com</u>