



तेजपुर विश्वविद्यालय

(केन्द्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028. असम, भारत

TEZPUR UNIVERSITY

(A Central University)

Napaam, Tezpur - 784 028, Assam, India

CERTIFICATE BY SUPERVISOR

This is to certify that the project report entitled “**Effect of substituents at group 13 elements on the ligating properties of N-heterocyclic carbenes with inorganic back bones : A theoretical study**” which is being submitted by **Mr. Dipjyoti Talukdar**, a student of semester IV, M. Sc. In Chemical Sciences, of the department of Chemical Sciences, School of Science and Technology, Tezpur University, Tezpur 784024, as the partial fulfillment of the requirement for M.Sc. degree in Chemical Sciences under Tezpur University, is a record of bonafide research work carried out by him under my supervision and guidance.

It is certified that the report is the result of his own investigation. The work and the results embodied in this report have not been submitted to any other University or Institute for award of any research degree.

Date: 08/05/2012

Place: Tezpur
Sciences.

(Dr. A. K. Phukan)

Department of Chemical Sciences

Tezpur University



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CERTIFICATE

This is to certify that Mr. Dipjyoti Talukdar, a student of M.Sc in Chemical Sciences, Tezpur University has satisfactorily completed his project work entitled "*Effect of Substituents on the Ligating Properties of N-Heterocyclic Carbenes with Inorganic Back Bones: A Theoretical Study*". This work was solely done by him for the partial fulfillment for the award of degree of Master of Science. The project meets all the requirements of M. Sc. project.

Further, it is also certified that the project has not been submitted for any purposes elsewhere. I wish him all the best and success in life.

Place: Tezpur

Date:

Signature of the HOD

(Prof. Niranjan Karak)

Dept. of Chemical Sciences

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