



तेजपुर विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028, असम, भारत

TEZPUR UNIVERSITY

(A Central University)

Napaam, Tezpur - 784 028, Assam, India

CERTIFICATE

This is to certify that Mr. Pingal Sarmah, M. Sc. in Chemical Sciences, Tezpur University has satisfactorily completed his dissertation work entitled "**Catalytic Reduction of 4-nitrophenol to 4-aminophenol over Metallic Surfaces**". This is an original work which has not been submitted to any other Institute, University or Organisation for the award of any degree or diploma to the best of my knowledge and belief.

I wish him all the best and success in life.

Date: 08-05-2012

Place: Tezpur

(N. Karak)

Professor and Head

Department of Chemical Sciences

Tezpur University

Napam-784 028, Assam



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CERTIFICATE

This is to certify that the dissertation report entitled “**Catalytic Reduction of 4-nitrophenol to 4-aminophenol over Metallic Surfaces**” which is being submitted by Mr. Pingal Sarmah, a student of 4th Semester of the Department of Chemical Sciences, School of Science and Technology, Tezpur University, Tezpur 784 028, as the partial fulfilment 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 personal investigation. The work and the results embodied in this report have not been submitted to any other University or Institute for the award of any degree or diploma.

Date: 08-05-2012

Place: Tezpur

(P. Bharali)

Assistant Professor

Department of Chemical Sciences

Tezpur University

Napam-784 028, Assam

DECLARATION

I hereby declare that the work presented in this dissertation entitled “**Catalytic Reduction of 4-nitrophenol to 4-aminophenol over Metallic Surfaces**” is entirely original and was carried out by me independently in the Department of Chemical Sciences, Tezpur University under the supervision of Dr. P. Bharali. I further declare that it has not formed the basis for the award of any degree, diploma, fellowship or similar title of any University or Institution.

Date: 08-05-2012

Place: Tezpur



Pingal Sarmah

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Date: 08-05-2012

Pingal Sarmah

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