



## TEZPUR UNIVERSITY

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### CERTIFICATE OF THE SUPERVISOR

This is to certify that the thesis entitled “*Development of Dye Sensitized Solar Cell Based on Polymer Gel Electrolyte with Improved Efficiency*” submitted to the School of Sciences, 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. Kiranjyoti Mohan under my supervision and guidance at Department of Chemical Sciences, Tezpur University, Assam- 784 028. He has successfully completed the work.

He has fulfilled all the requirements for submitting the thesis for award of the degree of Doctor of Philosophy in Science. 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.

Date:

(Prof. Swapan Kumar Dolui)

Supervisor

School of Sciences

Department of Chemical Sciences

Tezpur University

Assam, INDIA-784 028



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### CERTIFICATE OF THE EXTERNAL EXAMINER AND ODEC

This is to certify that the thesis entitled “*Development of Dye Sensitized Solar Cell Based on Polymer Gel Electrolyte with Improved Efficiency*” submitted by Mr. Kiranjyoti Mohan to Tezpur University in the Department of Chemical Sciences under the School of Sciences, in partial fulfillment for the award of the degree of Doctor of Philosophy in Chemical Sciences has been examined by us on \_\_\_\_\_ and found to be satisfactorily.

Signatures of:

Principal Supervisor

External Examiner

Date: