



DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING

TEZPUR UNIVERSITY  
NAPAAM, TEZPUR - 784028

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## Certificate

This is to certify that the thesis entitled “*Analysis of Gene Expression and Protein-Protein Interaction Data Using Supervised and Unsupervised Ensemble Methods*” submitted to the Tezpur University in the Department of Computer Science and Engineering under the School of Engineering in partial fulfillment of the requirements for the award of the degree of Doctor of Philosophy in Computer Science and Engineering is a record of research work carried out by Mr. Sajid Nagi under my personal supervision and guidance.

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

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

Signature of Research Supervisor

(Dhruba Kumar Bhattacharyya)  
Designation: Professor  
School: Engineering  
Department: Computer Science and Engineering



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## Certificate

This is to certify that the thesis entitled “*Analysis of Gene Expression and Protein-Protein Interaction Data Using Supervised and Unsupervised Ensemble Methods*” submitted by Mr. Sajid Nagi to Tezpur University in the Department of Computer Science and Engineering under the School of Engineering in partial fulfillment of the requirements for the award of the degree of Doctor of Philosophy in Computer Science and Engineering has been examined by us on \_\_\_\_\_ and found to be satisfactory.

The Committee recommends for award of the degree of Doctor of Philosophy.

Signature of

Principal Supervisor

External Examiner

Date: