



DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING  
TEZPUR UNIVERSITY

NAPAAM, TEZPUR - 784 028  
ASSAM : INDIA

Ph. : 03712 - 267 007-009 Ext-5101  
Fax : 03712 - 267 005/006  
Email : *hod\_cse@tezu.ernet.in*

## Certificate

This is to certify that Arifuzzaman Mira bearing Roll No-CSI10023 has prepared the dissertation entitled "**RODHA- Robust Outlier Detection using Hybrid Approach**". This work was done under the supervision and guidance of Prof. D. K. Bhattachryya and Dr. Sarat Saharia.

The dissertation is the result of his efforts and endeavour. The dissertation is a requirement for the partial fulfilment of the award of the degree of Master of Technology in Information Technology and is found worthy of acceptance.

Date: 01-06-12.

*U Sharma*  
01-06-12

Dr. Utpal Sharma  
Associate Professor & Head,  
Dept. of CSE

**Head**  
Department of Computer Science & Engg.  
Tezpur University



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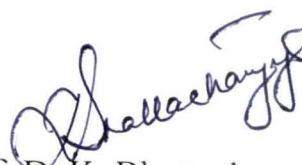
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Dr. Sarat Saharia

Date: 30/5/12

Assoc. Professor  
Department of Computer Science & Engg.  
Tezpur University

  
Prof. D. K. Bhattacharyya

Date: 30/5/2012

Professor  
Department of Computer Science & Engg.  
Tezpur University



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## Certificate

This is to certify that the dissertation entitled "**RODHA- Robust Outlier Detection using Hybrid Approach**" is submitted by Arifuzzaman Mira bearing Roll No-CSI10023, for the partial fulfilment of the requirements of the degree of Master of Technology. The dissertation is found worthy of acceptance.

A handwritten signature in black ink, appearing to read 'Arifuzzaman Mira'.

Internal Examiner

Date: 31/5/12

Place: Napaam

A handwritten signature in black ink, appearing to read 'Yandip Des'.

External Examiner

Date: 31/5/12

Place:

**EXTERNAL  
EXAMINER**

## Declaration

I hereby declare that the dissertation entitled "RODHA- Robust Outlier Detection using Hybrid Approach" submitted to the Department of Computer Science & Engg., Tezpur University, is prepared by me and was not submitted to any other institution for the awards of any other degree.

  
Arifuzzaman Mira

Date: 30/05/12  
Place: Tezpur

## Acknowledgements

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I would like thank Dr. Sarat Saharia, Associate Professor, Dept. of Computer Science & Engg, Tezpur University, for his valuable guidance and support throughout the course of this project work.

— Arifuzzaman Mira