

## DECLARATION

I hereby declare that the dissertation work entitled “ **Network Anomaly detection using supervised and unsupervised technique** “. Submitted to the **Department of Computer Science & Engineering, Tezpur University** is prepared by me and was not submitted to any other institution for award of any other degree.

Date: 30.05.2012

Place: Tezpur

*Ranjan Patowary*  
( Ranjan Patowary )

Roll No: CSI10018



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## Certificate

This is to certify that Ranjan Patowary bearing Roll No-CSI10018 has prepared the dissertation entitled "**Network Anomaly detection using supervised and unsupervised technique**". This work was done under the supervision and guidance of Prof. Dhruba K Bhattacharyya.

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.

A handwritten signature in black ink, appearing to read 'Utpal Sharma', with the date '01.06.12.' written below it.

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

**Head**  
Department of Computer Science & Engg.  
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Prof. Dhruba. K. Bhattacharyya

Date: 30.5.2012

*Professor*  
Department of Computer Science & Engg.  
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## Certificate

This is to certify that the dissertation entitled "**Network Anomaly detection using supervised and unsupervised technique** " is submitted by Ranjan Patowary bearing Roll No-CSI10018, 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 blue ink, appearing to be "Ranjan Patowary".

Internal Examiner

Date: 31/5/12

Place:

A handwritten signature in blue ink, appearing to be "Sandip".

External Examiner

Date: 31/5/12

Place:

**EXTERNAL  
EXAM. INEB**

## **Acknowledgement**

I would like to take the opportunity to extend my heartfelt gratitude to my project guide Prof. Dhruba Kr. Bhattacharyya, Professor, Deptt. Of Computer Science & Engg, Tezpur University, for giving me the opportunity to work under him and providing me ample guidance and support through the course of this project work.

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Ranjan Patowary