



**DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
TEZPUR UNIVERSITY**

NAPAAM, TEZPUR – 784 028
ASSAM : INDIA

Fax : 03712 - 267 005/006
Phone : 03712 - 267 007-009 Ext-
Email : @tezu.ernet.in

CERTIFICATE

This is to certify that Maharnab Baruah, Kamal Saikia and Haiheube Jeme bearing roll number CSB10020, CSB10026 and CSB10027 respectively have successfully completed the project entitled “K-mean Clustering Of Feature Based Dataset For Network Anomaly Detection”

The project was done under my supervision and guidance. The thesis is the result of their effort and endeavours and is found worthy of acceptance for the award of Bachelor of Technology in Computer Science & Engineering.

DATE :

Debasish Das
24/5/2024

.....
(Mr. Debasish Das)
System Analyst
Department of CSE
Tezpur University

Place: Tezpur University



**DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
TEZPUR UNIVERSITY**

NAPAAM, TEZPUR – 784 028
ASSAM : INDIA

Fax : 03712 - 267 005/006
Phone : 03712 - 267 007-009 Ext-
Email : @tezu.ernet.in

CERTIFICATE

This is to certify that Maharnab Baruah, Kamal Saikia and Haiheube Jeme bearing roll number CSB10020, CSB10026 and CSB10027 respectively have successfully completed the project entitled
“K-Mean Clustering of Feature based Dataset for Network Anomaly Detection”

The thesis is the result of their effort and endeavours and is found worthy of acceptance for the award of Bachelor of Technology in Computer Science & Engineering. They have worked under the supervision and guidance of Mr. Debasish Das.

Date:


.....
Head
Department of Computer Science & Engineering
Tezpur University

(Dr. Shyamanta Mani Hazarika)

Professor and Head of the Dept of CSE

Place:



**DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
TEZPUR UNIVERSITY**

NAPAAM, TEZPUR – 784 028
ASSAM : INDIA

Fax : 03712 - 267 005/006
Phone : 03712 - 267 007-009 Ext-
Email : @tezu.ernet.in

CERTIFICATE

The thesis entitled “**K-Mean Clustering of Feature Based Dataset for Network Anomaly Detection**” submitted by Maharnab Baruah, Kamal Saikia and Haiheube Jeme for partial fulfillment of the requirements for the degree of Bachelor of Technology in Computer Science & Engineering at School of Engineering, Tezpur University has been examined.

.....

Internal Examiner 1

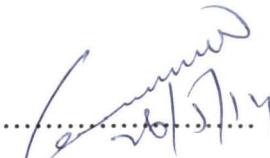
Date: May 2014

.....

Internal Examiner 2

Date: May 2014

Place: Tezpur University


.....

External Examiner

Date: May 2014

Place: Tezpur University

**EXTERNAL
EXAMINER**

Declaration

We hereby declare that the dissertation work entitled "**K-Mean Clustering of Feature Based Dataset for Network Anomaly Detection**" submitted to the Department of Computer Science and Engineering, Tezpur University, contains no material which has been accepted for the award of any other degree in any other institution and to the best of our knowledge and belief, contains no materials previously published or written by another person except where due reference has been made in the text.

Maharnab Baruah
Maharnab Baruah

Date: *26.05.2014.*

Kamal Saikia
Kamal Saikia

Haiheube Jeme
Haiheube Jeme

ACKNOWLEDGEMENT

We would like to take the opportunity to extend our heartfelt gratitude to our project guide Mr. Debasish Das, System Analyst, Department of Computer Science and Engineering for giving us the opportunity to work under him and providing us ample guidance and support through the course of this project.

Furthermore, we would also like to acknowledge with much appreciation the crucial role of our Head of the Department, Prof. Shyamanta M Hazarika and the technical staff of the department of Computer Science and Engineering, who gave us the permission to use all required equipments and the necessary materials to complete the project.

Lastly, we sincerely appreciate the guidance provided by our seniors and our friends, without whose support, this project would not have been possible.