



DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
TEZPUR UNIVERSITY
TEZPUR 784028
ASSAM

CERTIFICATE

This is to certify that the work presented in the report entitled “**Mixed Type Data Handling Using Cluster Analysis**” submitted in the partial fulfillment of the requirement for the degree of Master of Computer Application, was carried out by Ripu Ranjan Kalita and Paragjyoti Kalita under my supervision. The work has not been submitted to any other institute for the award of any other degree or diploma.

A handwritten signature in blue ink, reading 'Dhruba K Bhattacharyya' with the date '30/5/13' written below it.

Dr. Dhruba K Bhattacharyya
Professor
Dept. of CSE
Tezpur University

Date:
Place: Tezpur University, Tezpur



CERTIFICATE

This is to certify that **Ripu Ranjan Kalita(CSM10007)** and **Paragiyoti Kalita(CSM10010)** have prepared the dissertation report entitled “ **MIXED TYPE DATA HANDLING USING CLUSTER ANALYSIS** ” as MCA 6th semester major project work under the supervision of **Prof. Dhruba K Bhattacharyya**, Dept. of CSE, Tezpur University.

Utpal Sharma
01-06-17.

Dr. Utpal Sharma

Professor & Head of Department

Dept. of Computer Science & Engineering,

Tezpur University

Date: 01-06-17.

Place: Tezpur



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CERTIFICATE

This dissertation entitled “**Mixed Type Data Handling Using Cluster Analysis**” submitted by Ripu Ranjan Kalita and Paragjyoti Kalita in the partial fulfillment of requirements for the degree of Master of Computer Application of Tezpur University has been examined.

PK Kalita
01/06/2013

External Examiner

[Signature]

Internal Examiner

Date: 1/6/13

Place: Tezpur University, Tezpur

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