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*CERTIFICATE*

This is to certify that **Ranjita Das** bearing **Roll No. CSI09009** has prepared the dissertation report entitled "**Generating Frequent and Rare Association Rules Using Multi-objective Approach**". This work was done under my supervision and guidance.

The dissertation is the result of her efforts and endeavors. The dissertation is found worthy of acceptance for the award of the degree of **Master of Technology in Information Technology**.

Date: 20.5.2011

(D. K. Bhattacharyya)  
Professor of Dept. of CS & E

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

## CERTIFICATE

This is to certify that Ms. Ranjita Das bearing Roll No. CSI09009 has prepared the report on the dissertation entitled “**Generate Frequent and Rare Association Rules Using Multi-objective Approach**”. The dissertation is the result of her efforts and endeavours. The dissertation is found worthy of acceptance for the award of Master of Technology in Information technology. She has worked under the supervision and guidance of Prof. Dhruva K. Bhattacharyya

Date: 27-05-11

Place: Tezpur

  
27-05-11

Dr. Utpal Sharma  
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## **C E R T I F I C A T E**

This dissertation entitled “**Generating Frequent and Rare Association Rules Using Multi-objective Approach**”, submitted by **Ranjita Das** for the partial fulfillment of the requirements for the degree of **Master of Technology in Information Technology** at **Tezpur University** has been examined.

A handwritten signature in black ink, appearing to be 'S. Das', written over a horizontal dashed line.

**Internal Examiner**

Date: 27-5-2011

Place : Tezpur

A handwritten signature in black ink, appearing to be 'Manoj', written over a horizontal dashed line.

**External Examiner**

Date: May 27, 2011

Place : Tezpur

**EXTERNAL  
EXAMINER**

## **DECLARATION**

I hereby declare that the dissertation work entitled “**Generating Frequent and Rare Association Rules Using Multi-objective Approach**”, 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:  
Place : Tezpur

*Ranjita Das*  
(**Ranjita Das**)  
Roll No: CSI-09-009

## **Acknowledgements**

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