



Department of Computer Science & Engineering  
Tezpur University

Napaam, Tezpur- 784028, Assam, India.

Prof. Malay Ananda Dutta  
Professor

Phone: 03712-275352  
Fax: 03712-267005  
E-Mail : malay@tezu.ernet.in

---

---

## Certificate

This is to certify that the thesis entitled “**Multi-Objective Optimization in Selection of Views to Materialize in Data Warehouses**” submitted to Tezpur University in the Department of Computer Science and Engineering under the School of Engineering in partial fulfillment of the award of the degree of Doctor of Philosophy in Computer Science and Engineering is a record of research work carried out by **Rajib Goswami** under my supervision and guidance.

All helps received by him from various sources have been duly acknowledged. No part of this thesis has been submitted elsewhere for award of any other degree.

Signature of Supervisor  
(Malay Ananda Dutta)

Professor

Department of Computer Science and Engineering  
Tezpur University  
Assam, India-784028



## Certificate

This is to certify that the thesis entitled “**Multi-Objective Optimization in Selection of Views to Materialize in Data Warehouses**” submitted by **Rajib Goswami** to Tezpur University in the Department of Computer Science and Engineering under the School of Engineering in partial fulfillment of the requirements for the award of the degree of Doctor of Philosophy in Computer Science and Engineering has been examined by us on ..... and found to be satisfactory.

The Committee recommends for award of the degree of Doctor of Philosophy.

Signature of Principal Supervisor

Signature of External Examiner