



DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
TEZPUR UNIVERSITY

NAPAAM, TEZPUR-784028
ASSAM : INDIA

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

CERTIFICATE

DATE: 4TH JUNE, 2010

This is to certify that Mr. Akshat Misra and Mr. Saurabh Sutradhar, students of DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, TEZPUR UNIVERSITY, bearing Roll Nos: CSB-06-005 and CSB-06-018 respectively, have prepared the Dissertation on the topic "Performance Analysis of Back-off Procedure in IEEE 802.11 DCF MAC " in partial fulfillment of the requirement of the syllabus for the award of the Degree of Bachelor of Technology in Computer Science and Engineering.

This is their original work and to the best of my knowledge, this Dissertation has not been submitted by them to this or any other University for award of any Degree.

Supervisor

(Nityananda Sarma)

Associate Professor

Department of Computer Science and Engineering



DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
TEZPUR UNIVERSITY

NAPAAM, TEZPUR-784028
ASSAM : INDIA

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

CERTIFICATE

DATE: 4TH JUNE, 2010

This Dissertation entitled " Performance Analysis of Back-off Procedure in IEEE 802.11 DCF MAC " is submitted by Mr. Akshat Misra and Mr. Saurabh Sutradhar in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering.

A handwritten signature in blue ink, appearing to read 'S. Misra'.

Internal Examiner
Date: 4TH June, 2010
Place: Tezpur

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

A handwritten signature in blue ink, appearing to read 'S. Misra'.

External Examiner
Date: 4TH June, 2010
Place: Tezpur

EXTERNAL
EXAMINER

DECLARATION

We hereby declare that the dissertation work entitled “ *Performance Analysis of Back-off Procedure in IEEE 802.11 DCF MAC* ” which is submitted to the Department of Computer Science and Engineering, Tezpur University, is prepared by us and was not submitted to any other institution for award of any degree.

Akshat Misra
Akshat Misra

B.Tech (CSE), Roll No. CSB06005

Saurabh Sutradhar
Saurabh Sutradhar

B.Tech (CSE), Roll No. CSB06018

Date: 04/06/10

Place: *Tezpur University*

ACKNOWLEDGMENT

A word of encouragement from those who have a concern for us always accomplishes much good. In the journey of our project work, many people have encouraged us, and extended their help in every sphere of our need. We would like to express our deepest and sincerest gratitude to our project guide, Mr. Nityananda Sarma, for guiding us immensely throughout the course of the project. He always showed a keen interest in our work and his constructive advice and constant motivation have been responsible for the successful completion of this project.

We would like to thank Prof. D. K. Bhattacharya, Head, Department of Computer Science and Engineering, for his co-ordination in extending every possible facility for the completion of this project.

We also extend our thanks to Miss Gargi Priyadarshani, Miss Prativa Bawri , Mr. Mustafizur Rohman and Miss Maitrayee Saikia who have helped us a lot during the time of our need.

Lastly, we would like to end the acknowledgment with sincere thanks to our parents and our brothers and sisters and the Almighty for always paving a way for us to move ahead with higher prospects in life.

Akshat Misra

B.Tech (CSE), Roll No. CSB06005

Saurabh Sutradhar

B.Tech (CSE), Roll No. CSB06018