

प्रगत संगणन विकास केन्द्र  
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING



संचार एवं सूचना प्रौद्योगिकी मंत्रालय की वैज्ञानिक संस्था, भारत सरकार  
A Scientific Society of the Ministry of Communications and Information Technology, Government of India

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15<sup>th</sup> May 2013

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. GAUTAM KUMAR DAS, Roll Number CSM10041, Final year MCA, Department of Computer Science and Engineering, Tezpur University, Tezpur has successfully completed his internship at C-DAC, Electronics City, Bangalore during the period from January 7 2013 till May 15 2013 along with his colleague Ms. Gitika Handique.

He carried out a project in the Peer-to-Peer Application detection and his specific contribution was in devising, implementing a tool to detect and report Peer-to-peer traffic.

Muralidharan N  
Senior Technical Officer  
CDAC, Electronics City  
Bangalore

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15<sup>th</sup> May 2013

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Ms. GITIKA HANDIQUE Roll Number CSM10055, Final year MCA, Department of Computer Science and Engineering, Tezpur University, Tezpur has successfully completed her internship at C-DAC, Electronics City, Bangalore during the period from January 7 2013 till May 15 2013 along with her colleague Mr. Gautam Kumar Das.

She carried out a project in the Peer-to-Peer Application detection and her specific contribution was in devising, implementing a tool to detect and report Peer-to-peer traffic.

Muraleedharan N  
Senior Technical Officer  
CDAC Electronics City  
Bangalore




**DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING  
TEZPUR UNIVERSITY  
TEZPUR 784028, ASSAM.**

**CERTIFICATE**

This is to certify that the work presented in the report entitled “**Detection of Peer to Peer Network Packets Using Lightweight Packet Inspection**” submitted in partial fulfillment of the requirement for the degree of **Master of Computer Application (MCA)**, was carried out by **Gautam Kumar Das (CSM10041)** and **Gitika Handique (CSM10055)** under my supervision. The work has not been submitted to any other institute for the award of any other degree or diploma.

Date: 31/05/2013  
Place: Tezpur University,  
Tezpur

  
Mr. Debojit Boro  
Assistant Professor  
Dept. of CSE  
Tezpur



**DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING  
TEZPUR UNIVERSITY  
TEZPUR 784028, ASSAM.**

**CERTIFICATE**

This is to certify that **Gautam Kumar Das (CSM10041)** and **Gitika Handique (CSM10055)** have prepared the dissertation report entitled “**Detection of Peer to Peer Network Packets Using Lightweight Packet Inspection**”. This work was done under the supervision and guidance of **Mr. Debojit Boro** and *Muralidharan N.*

The dissertation is the result of their effort and endeavors and is found worthy of acceptance for the award of the degree of **Master of Computer Application**. The work has not been submitted to any other institute for the award of any other degree or diploma.

Date: 03.06.13.

Place: Tezpur University,  
Tezpur

*Utpal Sharma*  
03.06.13.  
Dr. Utpal Sharma  
HOD  
Dept. of CSE  
Tezpur

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



**DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING  
TEZPUR UNIVERSITY  
TEZPUR 784028, ASSAM**

**CERTIFICATE**

This dissertation entitled “**Detection of Peer to Peer Network Packets Using Lightweight Packet Inspection**” submitted by **Gautam Kumar Das (CSM10041)** and **Gitika Handique (CSM10055)** in partial fulfillment of requirements for the degree of **Master of Computer Application (MCA)** from Tezpur University has been examined.

Internal Examiner

Date: 2/6/13

Place:

External Examiner

Date:

Place:

## Acknowledgements

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In completion of this project and dissertation work entitled " **Detection of Peer to Peer Network Packets Using Lightweight Packet Inspection** ", we share a thought of giving an ovation to all the people for their support, valuable and guidance that has helped us carrying out this work.

At the very outset we would like to acknowledge our sincere thanks to our external guide Senior Scientist Muraleedharan N at Centre for Development of Advanced Computing (Bangalore), for his unique insight and warm guidance. He has always been encouraging and enthusiastic and it has been a genuine pleasure working with him.

We would like to show our thankfulness to Mr. Subramanian N., CDAC (Bangalore), Prof. Shyamanta M Hazarika and Mr. Debojit Boro, Tezpur University, for their consistent support and guidance for carrying out the project.

Finally we would like to thank all our classmates for their valuable help and mental support throughout the period.



Gautam Kumar Das  
CSM10041  
MCA-6<sup>th</sup> Semester



Gitika Handique  
CSM10055  
MCA 6<sup>th</sup> Semester

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## **DECLARATION**

We hereby declare that the project entitled “**Detection of Peer to Peer Network Packets Using Lightweight Packet Inspection**” submitted to the **Department of Computer Science & Engineering, Tezpur University**, is prepared by **Gautam Kumar Das (CSM10041) & Gitika Handique (CSM10055)** and was not submitted for any other institution for award of any other degree or similar.

Date: 31.5.2013

Gautam Kumar Das (CSM10041)  
Gitika Handique (CSM10055)  
Dept. of C.S.E.  
Tezpur University