




## Tezpur University


### Certificate

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This is to certify that Nazatul Haque Sultan bearing Enrollment No.CSI12030 has prepared the dissertation report entitled *Pairing Based Authentication Protocol with Anonymous Roaming for Wireless Mesh Networks*.

The dissertation is the result of his effort and endeavors. The dissertation is found worthy of acceptance for the award of Master of Technology in Information Technology. He has worked under the supervision and guidance of Dr. Nityananda Sarma .

  
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Signature of HoD  
(Dr. Shyamanta M Hazarika )  
Designation:Professor  
Department: CSE  
Tezpur University






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 26/5/2014

Signature of Supervisor

(Dr. Nityananda Sarma)

Designation: Professor

Department: CSE

Tezpur University



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### Certificate

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This dissertation entitled "*Pairing Based Authentication Protocol with Anonymous Roaming for Wireless Mesh Networks*" submitted by Nazatul Haque Sultan, Enrollment.No. CSI12030 for partial fulfillment of the requirements for the degree of Master of Technology in Information Technology at Tezpur University has been examined by us and found to be satisfactory.

*Dr. Arunima*

Internal Examiner

Date: 26/05/14

**Professor**

Department of Computer Science and Engineering  
Tezpur University

*L. Indip*

External Examiner

Date: 26-05-14

**EXTERNAL  
EXAMINER**

## Declaration

I, Nazatul Haque Sultan, hereby declare that the thesis entitled "*Pairing Based Authentication Protocol with Anonymous Roaming for Wireless Mesh Networks*" submitted to the Department of Computer Science and Engineering under the School of Engineering, Tezpur University, in partial fulfillment of the requirements for the award of the degree of Master of Technology is based on bona fide work carried out by me. The results embodied in this thesis have not been submitted in part or in full, to any other university or institute for award of any degree or diploma.

Nazatul Haque Sultan  
26th May / 2014  
(Nazatul Haque Sultan)

## Acknowledgement

It is my great pleasure to show due regards to persons involved in bringing out my successful completion of the project work entitled *Pairing Based Authentication Protocol with Anonymous Roaming for Wireless Mesh Networks* undertaken by me as a prerequisite towards partial fulfillment for the award of M.Tech in Information Technology at Tezpur University.

It would not possible for me to achieve the success with my effort alone. There were a lot of people who extended their supportive hands towards me in the way of making my work a success. First of all my heartiest gratitude goes to my project guide Dr. Nityananda Sarma Professor of Computer Science & Engineering, Tezpur University for his excellent guidance and valuable suggestion during the course project. My sincere thanks to all faculty members of the department for their support during this project,

Last but not the least I am also thankful to my class mates and juniors for their kind cooperation during the entire process. I would like to acknowledge everyone who contributed directly or indirectly for the fulfillment of this project work.

I dedicate this thesis to those who believed in me, my parents and family.

*Nazatul Haque Sultan*  
Nazatul Haque Sultan