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## **CERTIFICATE**

This is certify that the work presented in the report entitled "*Energy awareData aggregation protocol in Wireless Sensor Network*" submitted by Subarna Basak (CSM11041) in partial fulfillment of requirements for the Degree of Master of Computer Application (MCA) under the guidance of Dr. Dinesh Dash of Tezpur University has been examined.

**(Signature)**

**Internal Examiner**

**(Signature)**

**Internal Examiner**

**(Signature)**

**External Examiner**

**EXTERNAL  
EXAMINER**



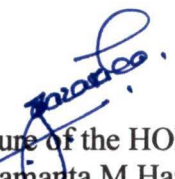
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Date: \_\_\_\_\_  
Place: Tezpur

  
Signature of the HOD  
Dr. Shyamanta M Hazarika  
Professor  
Department of CSE  
Tezpur University

*Head*  
Department of Computer Science & Engg  
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## **CERTIFICATE**

This is to certify that the work presented in the report entitled “*Energy awareData Aggregation protocol in Wireless Sensor Network*” submitted in partial fulfillment of the major project of 6<sup>th</sup> semester of Master of Computer Application (MCA), was carried out by Subarna Basak under my supervision.

Date: 26.05.2014  
Place: Tezpur

*Dinesh Dash*  
Signature of the supervisor  
Dr. Dinesh Dash  
Assistant Professor  
Department of CSE  
Tezpur University  
Tezpur

## **DECLARATION**

*I hereby declare that the project work entitled “**Energy aware data aggregation protocol in wireless sensor network**” embodied in this dissertation has been carried out by ourselves under the guidance of **Dr.Dinesh Dash** , Assistant professor ,Department of Computer Science and Engineering ,Tezpur University .*

*Subarna Basak*  
Subarna Basak  
MCA 6<sup>th</sup> semester  
Department of CSE  
Tezpur University

## ACKNOWLEDGEMENT

*I take the opportunity to extend my gratitude to all those persons who have supported and co-operated with me during the development of the project “Energy awareData aggregation protocol in wireless sensor network.” at Dept. of Computer Science, Tezpur University.*

*First of all, I would like to express my sincere gratitude to my project guide **Dr. Dinesh Dash**, Assistant Professor, Department of CSE, Tezpur University for his sincere and graceful guidance and support in all spheres of the project which was the prime factor of my successful completion of the project. He has not only helped out in my project also give me inspiration for generate a good algorithm.*

*Finally, before concluding, I would like to extend my heartiest thanks to all my friends whose help me to complete this project successfully.*

Date: 26<sup>th</sup> MAY 2014

Subarna Basak  
6<sup>th</sup> Semester, MCA