



Prof. S. C. Patra, PhD
Professor, Water Resources Engineering

Date: 25th May, 2014

CERTIFICATE

Sri Raju Nath and Sri Debajit Esh, students of MCA 2011-2014 batch of Department of Computer Science and Engineering, Tezpur University have done their Major Project titled ***“Web Based Geo-Spatial Data Management on Natural Resource Information using WMS and GEOSERVER under NESDI Geo-Portal”*** under my guidance. They have associated with me throughout this project and they have taken my suggestions in developing different components of their Major project. Their work consists of publishing VECTOR layers in NESDI portal by use of GeoServer, storage and management of GEO Spatial data in PostGIS and PostgreSQL.

During their project, they have developed the required skills and have learnt and explored open source software's like GeoServer, PostgreSQL, and PostGIS and have successfully written/modified the codes. They have written the code in HTML, PHP, and JavaScript (Ext.JS) for different facilities in the GEO portal.

Place: Tezpur


(S.C. Patra) 25/5/14



**DEPARTMENT OF
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CERTIFICATE

Date: 26-05-2014

This is to certify that Raju Nath (CSM11054) and Debajit Esh (CSM11035) have prepared their dissertation report entitled "***Web Based Geo-Spatial Data Management on Natural Resource Information using WMS and GEOSERVER under NESDI Geo-Portal***". This work was done under my supervision and guidance.

The Dissertation is the result of their effort and Endeavour. The Dissertation is found worthy of acceptance for completion of their major project of Master of Computer Application.



Siddhartha S. Satapathy

(Assistant Professor)

Department of Computer Science & Engineering
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Head

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The Dissertation is the result of their effort and endeavor. The Dissertation is found worthy of acceptance for completion of their major project of **Master of Computer Application.**

(Internal Examiner)
Date:

Professor
Department of Computer Science & Engineering
Tezpur University

(External Examiner)
Date:

**EXTERNAL
EXAMINER**

DECLARATION

We hereby declare that the dissertation work entitled “*Web Based Geo-Spatial Data Management on Natural Resource Information using WMS and GEOSERVER under NESDI Geo-Portal*” submitted to the Department of Computer Science & Engineering, Tezpur University is an original piece of work and has not been submitted in part or in full to other institution for award of any other degree.

Date : 26th May, 2014
Place: Tezpur University

Raiu Nath

Raiu Nath (CSM11054)

Debiit Esh.

Debiit Esh (CSM11035)

ACKNOWLEDGEMENT

A major project is an early opportunity for learning and self-development. We consider our self very lucky and honored to have so many wonderful people who lead us through in completion of the project.

We express our deep and sincere gratitude to Mr. Siddhartha S. Satapathy, Assistant Professor, Tezpur University, Department of Computer Science and Engineering, Tezpur University, Napaam, Tezpur, who has been our supervisor since the beginning of this study as well as the project. This project had been far beyond completion without his exquisite support. We are greatly indebted for his valuable, constructive and critical guidance throughout the tenure of this project.

For this minor project, we had worked under NESDI project, a project aimed as incubation for full fledged SDIs in NER states for which Prof. S.C. Patra of NERIWALM is the Principal investigator. He has continuously guided us and without his guidance it would not have been possible to do complete the project in its present shape. We are highly indebted to him for his able guidance.

They have not only helped us in our project but also inculcated the broad perspective of our project and its applications in various fields, for which we shall always remain indebted to them.

Date : 26th May, 2014
Place: Tezpur University

Raju Nath

Raju Nath (CSM11054)

Debiit Esh

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