

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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Dr Siddhartha S. Satapathy, Assistant Professor

CERTIFICATE

This is to certify that Dibyajyoto Saikia and Rahul Das bearing roll numbers CSB10007 and CSB10072 respectively have successfully completed the project entitled “**Develop a Web Base Portal for measuring Codon Usage Bias and Calculating the value of N_c** ”

The project was done under my supervision and guidance. The thesis is the result of their effort and endeavours and is found worthy of acceptance for the award of Bachelor of Technology in Computer Science & Engineering.

Date: 25-05-2014

..... S. S. Satapathy
25/05/2014
(Dr Siddhartha S. Satapathy.)

of CSE

Assistant Professor, Department

Place: Tezpur University

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Department of Computer Science & Engg.
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Dr S.M. Hazarika, Professor & Head

CERTIFICATE

This is to certify that Dibyajyoto Saikia and Rahul Das bearing roll numbers CSB10007 and CSB10072 respectively have successfully completed the project entitled “**Develop a Web Base Portal for measuring Codon Usage Bias and Calculating the value of N_c** ”.

The thesis is the result of their effort and endeavors’ and is found worthy of acceptance for the award of Bachelor of Technology in Computer Science & Engineering. They have worked under the supervision and guidance of Dr. **Siddhartha S. Satapathy**

Date:


.....
(Dr. Shyamanta Mani Hazarika)

Professor and Head of the Dept of CSE

Place: Tezpur University

Head
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Tezpur University

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CERTIFICATE

The thesis entitled “Develop a Web Base Portal for measuring Codon Usage Bias and Calculating the value of N_c ” submitted by Dibyajyoti Saikia and Rahul das for partial fulfillment of the requirements for the degree of Bachelor of Technology in Computer Science & Engineering at School of Engineering, Tezpur University has been examined.

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Internal Examiner 1

Date: May 2014

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Internal Examiner 2

Date: May 2014

Place: Tezpur University

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External Examiner

Date: May 2014

Place: Tezpur University

**EXTERNAL
EXAMINER**

Declaration

We hereby declare that the thesis work entitled “**Develop a Web Base Portal for measuring Codon Usage Bias and Calculating the value of N_c** ” submitted to the Department of Computer Science and Engineering, Tezpur University, contains no material which has been accepted for the award of any other degree in any other institution and to the best of our knowledge and belief, contains no materials previously published or written by another person except where due reference has been made in the text.

Dibyajyoti Saikia
Dibyajyoti Saikia

Date: 29/5/14

Rahul Das
Rahul Das

ACKNOWLEDGEMENT

It is our great pleasure to show due regards to persons involved in bringing out our successful completion of the project work entitled “**Develop a Web Base Portal for measuring Codon Usage Bias and Calculating the value of N_c** ” undertaken by us as a prerequisite towards partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering at School of Engineering, Tezpur University.

Our profound gratitude to our project guide **Dr. Siddhartha S. Satapathy**, Assistant Professor, Department of Computer of Science and Engineering, Tezpur University for his excellent guidance and valuable suggestions during the course of project. I would also like to thank **Mr. Sanjib Deka** for his guidance and suggestions.

Our sincere thanks go to **Dr. Shyamanta Mani Hazarika**, Head, Department of Computer Science and Engineering, for his coordination in extending every possible facility for the completion of this project.

Last but not the least; we would like to thank to all who have helped directly or indirectly towards the completion of this project.

Dibyajyoti Saikia (CSB10007)

Rahul Das (CSB10072)