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**(A Central University Established by an Act of Parliament)**

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## **CERTIFICATE**

Certified that the thesis entitled “**Analysis of Codon Usage Bias in Mitochondrial DNA of Some Chordates**” submitted by Arif Uddin, Regn. No. **PhD/2423/13**, dated **12/09/13**, for award of the Degree of Doctor of Philosophy in Biotechnology is the outcome of a bonafide research work. This work has not been submitted previously for any other degree of this or any other university. It is further certified that the candidate has complied with all the formalities as per the requirements of Assam University. I recommend that the thesis may be placed before the examiners for the consideration of award of the degree of this university.

Place: Assam University, Silchar

Date :

(Prof. Supriyo Chakraborty)