

CERTIFICATE

Certified that the thesis entitled “**CHIRALITY IN ACHIRAL BENT SHAPED MOLECULE: SYNTHESIS AND CHARACTERIZATION OF BANANA LIQUID CRYSTALS**” submitted by **Mr. Nirmalangshu Chakraborty** for award of the Degree of **Doctor of Philosophy in Chemistry** 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 consideration of award of the degree of this University.

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