



**DEPARTMENT OF PHYSICS  
SCHOOL OF PHYSICAL  
SCIENCES  
ASSAM UNIVERSITY, SILCHAR  
(A CENTRAL UNIVERSITY  
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UNDER ACT XII OF 1989)  
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## **CERTIFICATE**

Certified that the thesis entitled “**SYNTHESIS AND CHARACTERIZATION OF CADMIUM SULPHIDE AND ZINC SULPHIDE NANOSTRUCTURES DOPED WITH Mn<sup>2+</sup>**” submitted by **Loktongbam Sujata Devi** bearing Registration No. 1169 of 2010 for the award of the degree of Doctor of Philosophy in Physics is a bonafide research work. This work has not been submitted for any other degree of this university or any other university. It is further certified that the candidate has complied with all the formalities as per the requirement of Assam University. We recommend that the thesis may be placed before the examiners for consideration of the award of degree of Doctor of Philosophy in Physics of Assam University, Silchar.

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## DECLARATION

I, Loktongbam Sujata Devi bearing Ph.D. Registration Number 1169/2010 dated 15th September 2010 hereby declare that the subject matter of the thesis entitled **“SYNTHESIS AND CHARACTERIZATION OF CADMIUM SULPHIDE AND ZINC SULPHIDE NANOSTRUCTURES DOPED WITH Mn<sup>2+</sup>”** is a record of work done by me and the contents of this material of this thesis did not form the basis for award of any degree to me or to anybody else to the best of my knowledge. The thesis has not been submitted in any other University/Institute.

This thesis is being submitted to Assam University for the degree of Doctor of Philosophy in Physics.

Date:

(Loktongbam Sujata Devi)

Place: