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VISVA-BHARATI  
(Established by the Parliament of India under  
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Vide Notification No. : 40-5/50 G.3 Dt. 14 May, 1951)

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### Certificate

This is to certify that the research work of the thesis entitled "Theoretical Investigation of Structural, Electrical and Magnetic Properties of a few Nano-scale Systems" submitted to Visva-Bharati has been carried out solely by Mrs. Prajna Mukherjee, M.Sc., under my supervision. In order to fulfill the requirements for the degree of Doctor of Philosophy (Science), she has followed the rules and regulations as laid down by the University. I would like to confirm that this piece of work is genuine and original and no part of the same has been submitted elsewhere for any degree or diploma or any other academic award in other universities/ institutions.

The thesis submitted by Mrs. Prajna Mukherjee is worth considering for the award of a Ph.D. degree in Physics.

Date: 31.08.2015

Place: Santiniketan

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