

UNIVERSITY OF NORTH BENGAL DEPARTMENT OF CHEMISTRY

P.O. NORTH BENGAL UNIVERSITY, RAJA RAMMOHUNPUR, DIST. DARJEELING, WEST BENGAL, INDIA, PIN - 734 013.
PHONE: (0353) 2776 381, FAX: (0353) 2699 001

CERTIFICATE

We certify that the thesis entitled "Physicochemical and Theoretical Investigations on the Synthesis, Characterization and Optoelectronic Properties of Nanoparticles" has been prepared by Banita Sinha, for the award of Ph.D. degree of the University of North Bengal, under our guidance. She has carried out the work at the Department of Chemistry, University of North Bengal.

No part of this thesis has formed the basis for the award of any degree or fellowship previously.

Prof. Amiya Kumar Panda

Supervisor

Prof. Anirban Misra

Co-Supervisor