

UNIVERSITY OF NORTH BENGAL  
ACCREDITED BY NAAC WITH GRADE "A"  
DEPARTMENT OF CHEMISTRY

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Awardee of "One Time Grant from UGC", "Prof. Suresh. C. Ameta from ICS" & "Bronze medal from Chemical Research Society of India"  
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**CERTIFICATE**

I certify that Miss. Koyeli Das has prepared the thesis entitled  
**"PHYSICOCHEMICAL INVESTIGATION OF ASSORTED INTERACTIONS  
OF SOME IMPERATIVE COMPOUNDS WITH THE MANIFESTATION OF  
SOLVATION EFFECTS PREVALENT IN DIVERSE SOLVENT SYSTEMS"**,  
for the award of *Ph.D. (Doctor of Philosophy) degree* of the  
University of North Bengal, under my guidance. She has carried out the  
work at the Department of Chemistry, University of North Bengal.

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