

# DEPARTMENT OF PHYSICS

## UNIVERSITY OF NORTH BENGAL

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### CERTIFICATE

I certify that Mr. Prasenjit Thakur has prepared the thesis entitled "OBSERVATIONAL CONSTRAINTS ON EQUATION OF STATE PARAMETERS FOR COSMOLOGICAL MODELS OF THE UNIVERSE" for the award of Ph.D. degree of the University of North Bengal, under my guidance. He has carried out the work at the Department of Physics, University of North Bengal.

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