



BODOLAND UNIVERSITY, KOKRAJHAR

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CERTIFICATE

This is to certify that the thesis entitled “Polytropic Gas Dark Energy Models in Cosmology” being submitted by Prasanta Das for the award of the Degree of Doctor of Philosophy in Mathematics to Bodoland University, Kokrajhar, Assam, India, is a record of bonafide research work carried out by him under my supervision and guidance in the Department of Mathematical Sciences, Bodoland University, Kokrajhar, Assam. The thesis satisfies the requirements of the regulations relating to the degree. A considerable part of the thesis has published in International and National Journals and some of it has been presented in Seminars.

The work reported in the thesis is original and has not been submitted in any other university or institute for the award of any degree or diploma.

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