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CERTIFICATE

This is to certify that the thesis entitled **"Chaplygin Gas Model as a Cosmological Model"** being submitted by **Rajshekhar Roy Baruah** 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, India.

The thesis satisfies the requirements of the regulations relating to the degree. A considerable part of the thesis is in process to publish in International Journals and some of it has been presented in seminars. Any part of this thesis has not been submitted to other Universities/Institution for awarding any degree or diploma.

Dated, Kokrajhar   **(Dr. Kangujam Priyokumar Singh)**
The 16th November, 2017   Research Supervisor.