



GAUHATI UNIVERSITY

DEPARTMENT OF INSTRUMENTATION & USIC

Gopinath Bardoloi Nagar, Guwahati – 781014, Assam : India

From: Dr. Pran Hari Talukdar
Ex. Professor,
Department of Instrumentation & USIC, G.U

Dated the 21/11/18

CERTIFICATE

I have the pleasure to certify that **Mrs. Barnali Kalita**, Enrolment No. INST-04/12, a research scholar in the Department of Instrumentation & USIC, G.U, has embodied the results of her independent research work in the Thesis entitled: **“Bodo Emotional Speech Synthesis and Recognition Using HMM”**. She carried out her research work under my guidance and supervision. This Thesis is being forwarded to the Gauhati University for the award of the Degree of Doctor of Philosophy. The matter embodied in this thesis is a genuine work done by Mrs. Barnali Kalita and has not been submitted to this University or any other University/ Institute for the award of any degree or Diploma.

Mrs. Barnali Kalita fulfils all the requirements of regulations related to the nature and prescribed period of research work for the award of the degree of Doctor of Philosophy (Ph.D.) by the Gauhati University, Assam.

B. Kalita
21/11/18
Examiner

(Signature)
21/11/2018

(Dr. Pran Hari Talukdar)

Guide

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