

Department of Computer Science & Engineering

Tezpur University

MAY 2014



**CERTIFICATE**

This is to certify that the work contained in the report entitled **"A Study of Speech emotion recognition using linear Support vector Machine (SVM) "** submitted by **Anurag Choubey (CSB-10044), Ravi Kumar Rajak (CSB-10047)** to the Department of Computer Science & Engineering, Tezpur University for the award of the degree in Bachelor of Technology has been carried out under my guidance and supervision.

Tezpur University

May, 2014

*Sanghamitra Nath*  
26/05/14  
Mrs. Sanghamitra Nath  
Assistant Professor  
Department of Computer Science & Engg.  
Tezpur University

Department of Computer Science & Engineering

Tezpur University

Tezpur – 784028

Assam, India



**TEZPUR UNIVERSITY**

(A CENTRAL UNIVERSITY)

SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NAPAAM, DIST: SONITPUR, PIN-784028

ASSAM, INDIA

## CERTIFICATE


This is to certify that we have examined the project report on **“A Study of Speech emotion recognition using linear Support vector Machine (SVM)”** and hereby accord or approve of it as a study carried out and presented in a manner required for its acceptance and partial fulfillment for the Bachelor Degree (Computer Science & Engineering) for which it has been submitted by

**Anurag Choubey (CSB-10044)**

**Ravi Kumar Rajak (CSB-10047)**

This approval does not necessarily accept every statement made, opinion expressed or conclusion drawn as recorded in this thesis. It only signifies the acceptance of this project for which it has been submitted.

The Viva-Voce examination of above students of 8<sup>th</sup> semester B.Tech (Computer Science & Engineering) of their project has been held on .....26/05/2014..... and found satisfactory

.....  
  
Signature of Head of Department

*Head*  
Department of Computer Science & Engg  
Tezpur University



**DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING  
TEZPUR UNIVERSITY**

NAPAAM, TEZPUR-784028,  
ASSAM: INDIA

---

**CERTIFICATE**

This is to certify that the progress report entitled “**A Study of Speech emotion recognition using linear Support vector Machine (SVM)**” submitted by **Anurag Choubey and Ravi Kumar Rajak** bearing **Roll No: CSB-10044 and CSB-10047** respectively, is an authentic research work carried out by them for partial fulfillment of the requirements and the regulations for the award of the degree of Bachelor of Technology in Computer Science and Engineering during the session 2010-14 at Tezpur University.

To the best knowledge, the matter embodied in the progress report has not been submitted to any other University/ Institute for the award of any Degree or Diploma.

---

HEAD DEPARTMENT OF CSE

TEZPUR UNIVERSITY

DATE:

PLACE: TEZPUR UNIVERSITY

---

EXTERNAL EXAMINER

DATE:

PLACE: TEZPUR UNIVERSITY

**EXTERNAL  
EXAMINER**

## Acknowledgments

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely fortunate to have got this all along the completion of our project.


We take this opportunity to express our profound gratitude and deep regards to our guide **Mrs. Sanghamitra Nath** for her exemplary guidance, monitoring and constant encouragement that helped us to coordinate our project throughout the course. Without her guidance completion of this project would not have been possible.


In spite of her busy schedules, her frequent valuable advices and master suggestions at every stage have led the project to a complete systematic work. This project without her guidance could not have taken its shape.

We would also like to thank her for providing with all the required materials and data from previous works which helped us in building a platform for our project.

We extend our gratitude to the various faculty members of Department of Computer Science and Engineering for their motivation and encouragement.

Finally we would like to thank our friends who helped us during difficult times, supported us in every moment, encouraged us for every decision and corrected us for every foreseen mistake.

  
Anurag Choubey

  
Ravi Kumar Rajak