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## DECLARATION

We hereby declare that this submission is our own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

Place: Noida Signature:

Date: Jan 02, 2015 Name: Mahima Goel

Enrollment No: 11103499

Signature:

Name: Shivam Tiwari

Enrollment No: 11104718

Signature:

Name: Siddharth Taneja

Enrollment No: 11103586

## CERTIFICATE

This is to certify that the work titled “**JSPHINX**” submitted by “**MAHIIMA GOEL, SHIVAM TIWARI AND SIDDHARTH TANEJA**” in partial fulfilment for the award of degree of **B.Tech** of Jaypee Institute of Information Technology University, Noida has been carried out under my supervision. This work has not been submitted partially or wholly to any other University or Institute for the award of this or any other degree or diploma.

Signature of Supervisor ……………………..

Name of Supervisor ……………………..

Designation ……………………..

Date ……………………..

## ACKNOWLEDGEMENT

In performing our project, we had to take the help and guideline of some respected persons, who deserve our greatest gratitude. We would like to show our gratitude **Mr. Kishore Kumar Y., Assistant Professor, Jaypee Institute Of Information Technology**for giving us a good guideline for the project throughout numerous consultations. We would also like to expand our deepest gratitude to all those who have directly and indirectly guided us in writing this assignment.

Many people, especially our classmates and team members itself, have made valuable comment suggestions on this proposal which gave us an inspiration to improve our project. We thank all the people for their help directly and indirectly in the same.

Signature of the Student ……………………..

Name of Student Mahima Goel

Enrollment Number 11103499

Signature of the Student

Name of Student Shivam Tiwari

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Signature of the Student ……………………..

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Date : Jan 02, 2015

## SUMMARY

JSphinx is a development over CMU Sphinx which integrates phonetic analysis & speaker identity with already existing speech to text API. This is intended to solve two problems

1. **Provide a common speaker identity**  
     
   This is intended to share and sync the learning/training data on one device with all other devices of the same user.

1. **Improve speech to text performance across cultures and geographies**  
     
   People from various cultures and geographies have different accents. Any modern speech to text program can be gradually trained to cater to accent of the user. But it takes time to train and personalize the speech to text program. Keeping a track of distinctive phonetic signatures mapped to similar learning sets can help in faster training of such programs.

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