

इन्वर्टिस विश्वविद्यालय

बरेली, उत्तर प्रदेश, भारत

साक्षी गुप्ता

को एतद्वारा

कंप्यूटर साइंस ऐन्ड इंजीनियरिंग विषय में

की उपाधि प्रदान करता है।

विद्या-परिषद् की अनुशंसा पर यह उपाधि,

अवाप्ति हेतु विनियमों में विहित अपेक्षाओं को पूर्ण कर लेने पर

तथा अगस्त 2021 में अपने शोध-प्रबंध

“आटोमेटिक असेसमेंट ऑफ रेपेटिशन एंड प्रोलोंगेशन इन स्तुत्तेरेड स्पीच यूसिंग वेटेड MFCC
एंड बिदिरेक्शनल LSTM”

के सफल पक्षपोषण के उपरांत

आज 20 नवम्बर 2021 को दी गई है।

INVERTIS UNIVERSITY

BAREILLY UTTAR PRADESH, INDIA

*Upon the recommendation of the Academic Council,
the University hereby confers the degree of*

Doctor of Philosophy in Computer Science and Engineering

Upon

Sakshi Gupta

*who has fulfilled the requirements for the degree as prescribed under the regulations
and successfully defended in Aug-21, the thesis entitled:*

**“Automatic Assessment of Repetition and Prolongation in Stuttered Speech using Weighted
MFCC and Bidirectional LSTM”**

Given this day, on November 20, 2021.



Santosh

Registrar
Invertis University
Bareilly

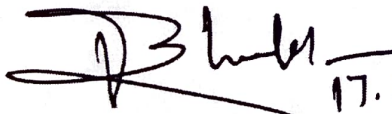
कुलपति
VICE CHANCELLOR

[Signature]

CERTIFICATE

This is to certify that the thesis entitled "**Automatic Assessment of Repetition and Prolongation in Stuttered speech using Weighted MFCC and Bi-Directional LSTM**" submitted by Sakshi Gupta (Enrollment No: - **1540337002**) for the award of Degree of Doctor of Philosophy in the Faculty of Engineering and Technology of Invertis University, Bareilly is a record of authentic work carried out by her under our supervision. The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other Degree or diploma.

It is further certified that she has worked with us for the required period in the Faculty of Engineering and Technology, Invertis University, Bareilly.



17.08.2021

(Prof. R.K. Shukla)
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(Prof. R.S. Shukla)
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17.08.2021

Department: Computer Science & Engineering

Report of Ph D Thesis Viva Voce Examination

Name of the Candidate : SAKSHI GUPTA

Student's ID : PHE2016001

Proposed Topic: Automatic Assessment of Repetition and Prolongation in Stuttered Speech using Weighted MFCC and Bidirectional LSTM

Date of Registration/URDC: 21.01.2017

Enrollment No. 1540337002

Date of Final Viva-Voce Examination: 17.08.2021

Supervisor :Prof. R. K. Shukla

Co-supervisor-Prof. R. S. Shukla

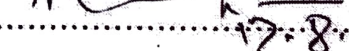

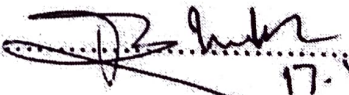
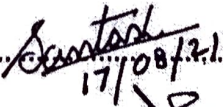


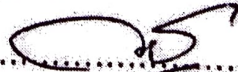
Comments..... Defended Successfully.....

PASSED

(Use separate sheet if required)

The Candidate has PASSED / ~~TO RE-APPEAR~~ / FAILED

Viva- Voce Examination Committee

1. Dr. Y D S Arya (Vice Chancellor & Chairman of URDC).....
17.8.2021
2. Prof. Awadhesh Kumar (External Expert- KNIT Sultanpur).....
3. Prof R K Shukla (Dean Engineering & Supervisor).....
17.8.21
4. Mr Santosh Kumar (Registrar)
17/08/21
5. Dr A K Shukla (Secretary URDC)
17-8-2021
6. Dr Pankaj Kr Rai (Joint Secretary URDC).....
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7. Dr Gaurav Agrawal (HOD -CS & Engg. Internal Expert).....
8. Dr. Suhail Javed Quraishi (Internal Expert)
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Approved by Vice Chancellor

17.8.2021


Registrar
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