

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA**



S. S. E. T'S

**S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY
SHIVABASAVA NAGAR BELAGAVI – 10**



A Project Report On

“SPEECH ENHANCEMENT USING FILTER BANKS”

Submitted to

Visvesvaraya Technological University, Belagavi

BACHELOR OF ENGINEERING

In

ELECTRONICS AND COMMUNICATION ENGINEERING

2018-2019

Submitted By

Mr. LUKMAN SHAIKH

2BU14EC036

Under the Guidance of
Prof. JAGADISH JAKATI

S. S. E. T'S

S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi)

SHIVABASAV NAGAR BELAGAVI – 10



Department of Electronics and Communication Engineering

Certificate

*This is to certify that **Mr. LUKMAN SHAIKH (2BU14EC036)** has submitted the project report entitled **“SPEECH ENHANCEMENT USING FILTER BANKS”** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** from **Visvesvaraya Technological University, Belagavi** during the year 2018-2019. It is certified that all the corrections, suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the aforesaid degree.*

Prof. Jagadish Jakati
Project Guide

Dr. Ravi M. Yadahalli
HOD

Dr. Sidramappa V. Itti
Principal

EXTERNAL VIVA

Name of Examiners

Signature with date

- 1.
- 2.

ACKNOWLEDGEMENT

It is our proud privilege and duty to acknowledge the kind help and guidance received from several people in preparation of this project. It would not have been possible to prepare this project in this form without valuable suggestions, cooperation and guidance.

First and the foremost, We wish to record our sincere gratitude to Management of S G Balekundri Institute of Technology and to our beloved Principal, **Dr. Sidramappa V. Itti**, for his constant support and encouragement in preparation of this report and for making available library facilities needed to prepare this project work.

Our sincere thanks to **Dr. Ravi M. Yadahalli**, Professor and Head, Department of Electronics and Communication Engineering for his valuable suggestions and guidance.

We express our sincere gratitude to our beloved project guide, **Mr. Jagadish Jakati**, Asst. Professor, Dept. of Electronics and Communication and Engineering for his support and guidance. Our numerous discussions with him were extremely helpful. We are grateful to him for guidance, encouragement and inspiration.

Our sincere gratitude to **Mr. Harsha Kakaraddi and Mr. Mahadevappa Mugalihal**, Asst. Professors, Dept. of Electronics and Communication Engineering, Project Coordinators for their valuable suggestions in preparing this report.

We wish to thank all faculty members of Electronics and Communication Department for their support and encouragement.

Mr. LUKMAN SHAIKH
2BU14EC036