VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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PROJECT REPORT

On

"VOICE BASED E-MAIL FOR BLIND"

Submitted by

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In partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE AND ENGINEERING

Under the Guidance of

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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CERTIFICATE

Certified that the project work entitled "**VOICE BASED E-MAIL FOR BLIND**" *is a bonafide work carried out by*

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in partial fulfilment for the award of BACHELOR OF ENGINEERING in **INFORMATION SCIENCE AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM** during the year 2019–2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

Communication play a very important role in the social life as well as professional life. People with disability like Visual, Hearing and Vocal have to face difficulty and considering the email as most pervasive form of communication can help to overcome the above problem Many modern day research focus on addressing the issue of one of the above challenges. Addressing the problem of people with Visual, Hearing and Vocal Impairment through a single aiding system is a tough job.

The project proposed by us focuses on finding a unique technique that aids the visually impaired by letting them hear what is represented as text and it is achieved by the technique that capture the image through a camera and convert the text available as voice signals. The paper provides a way for the people with hearing impairment to visualize/read which is in audio form by speech to text conversion technique and we also provide a way for the vocally impaired to represent their voice by the aid of text to voice conversion technique. All these three solutions were modulated to be in a single unique system.