VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A PROJECT REPORT ON

THIRD EYE FOR THE BLIND

Submitted in partial fulfillment for the award of Degree of,

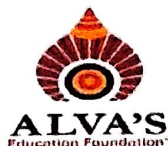## BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

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Under the Guidance of

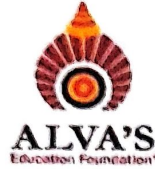**Prof. Venkatesh**

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

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CERTIFICATE

This is to certify that the Project work entitled **"THIRD EYE FOR THE BLIND"** has been successfully completed by

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the bonafide students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2020–2021. 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

Blindness is a state of lacking the visual perception due to optic factors. This project describes the development of navigate in order to assist blind and visually impaired people to navigate easily, safely and to detect any obstacles. Essentially, it is difficult for blind people to spend their everyday lives with We interfaced those with their disabilities to make their life smarter, With their walking stick scheme. For the visually impaired, the third eye is a progression, like hardware, with the assistance of the subject Designing, software engineering and science of well-being can aid People who are visually impaired. As per WHO 39 million individuals are assessed as blinds around the world. They are facing hardships in their daily life. In this project contains Hand band connected with Raspberry pi and it send the audio information to the person using earphones to convey the distance measured for an obstacle present in front of the blind people. E-book reader for blind is a small portable device that allows blind users read all kinds of digital content. GPS location tracker which will be used to tracking the location of the blind person at the time of emergency person will press the button in the stick GPS sends an emergency message to the people whose information stored in the system.