

A Major Project report on

SMART BLIND STICK WITH VOICE FEEDBACK

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

In partial fulfillment of the requirement for

The award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

by

ILAPURAM ANKITHA

196Y1A0448

BRUNDHA BANDARI

196Y1A0412

ALETI AKSHAYA

196Y1A0404

GADE GOWTHAMI

196Y1A0440

Under the esteemed supervision Of

Dr.K.Mahender

Associate Professor



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi; Affiliated to JNTU, Hyderabad)
Ananthasagar (Vill), Hasanparthy (M), Warangal-506371

2022-2023

Rajan

PRINCIPAL

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)





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**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

CERTIFICATE

This is to certify that the major project entitled "SMART BLIND STICK WITH VOICE FEEDBACK" submitted to JNTUH is carried out by the following students of IV B. Tech in the partial fulfillment for the award of degree of Bachelor of Technology in Electronics & Communication Engineering during the academic year 2022-2023.

ILAPURAM ANKITHA

196Y1A0448

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196Y1A0404

GADE GOWTHAMI

196Y1A0440

Dr. K. MAHENDER

Associate Professor

Head of Department

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Associate Professor

Head of Department



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Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

ABSTRACT

There are approximately 85% of information human get being from environment. And there are 330 million people are visual impaired in the world. The smart phones allow those people to listen to voice mails. Another example is the laser or ultrasonic technology. Thus, the distance to the obstacle is calculated according to the time variance between the two signals. Ultrasonic sensors are much more efficient than other obstacle detection sensors. There are other several systems related to the aid mobility of visually impaired are existing. Also the author uses information to provide directions to blind people within a campus environment. A smart cane was aimed to guide the blind people by using of on board sensors for obstacle avoidance. The system is based on an ultrasonic sensor in which it detect obstacles and command.



Rijan

Principal

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)