

# "SENSOR TECHNOLOGY BASED SMART BLIND STICK"

*A Socially Relevant Project report submitted in partial fulfillment of the requirements*

*For the award of the degree of*

## BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING

Submitted by

**P.SUMANTH**  
(20815A0227)

**D.RAJENDRA KUMAR**  
(20815A0212)

**CH.BHUVAN KUMAR**  
(20815A0206)

**E.NOOKA RAJU**  
(20815A0215)

**D.SEKHAR**  
(20815A0210)

Under the Esteemed Guidance of

**G.RAJA SEKHAR YADAV**

Assistant Professor



**DEPARTMENT OF  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**AVANTHI INSTITUTE OF ENGINEERING AND  
TECHNOLOGY**

(Permanently Affiliated to Jawaharlal Nehru Technological University, Kakinada, AP)

(An NAAC Accredited Institution)

Tamaram, Narsipatnam, Visakhapatnam- ↗

531113

**2021-2022**

**AVANTHI INSTITUTE OF ENGINEERING AND  
TECHNOLOGY**

(Permanently Affiliated to Jawaharlal Nehru Technological University, Kakinada, AP)  
(An NAAC Accredited Institution)  
Tamaram, Narsipatnam, Visakhapatnam-531113

**DEPARTMENT OF  
ELECTRICAL AND ELECTRONICS ENGINEERING**





**CERTIFICATE**


This is certify that the socially relevant project report entitled “**SENSOR TECHNOLOGY  
BASED SMART BLIND STICK**” is a bonafide work submitted by **P.SUMANTH, D.RAJENDRA KUMAR,  
CH.BHUVAN KUMAR, E.NOOKA RAJU and D.SEKHAR**  
in partial fulfillment of the requirements for the award of degree of  
**BACHELOR OF TECHNOLOGY IN  
ELECTRICAL & ELECTRONICS ENGINEERING**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,  
KAKINADA**

During the academic year  
**2021-2022**

  
**Internal Guide**  
**G. RAJA SEKHAR YADAV**  
Assistant. Professor  
Dept. of Electrical & Electronics Engg.  
Narsipatnam.

  
**Dr. T Srinivasa Rao**  
**Professor & HOD**  
Dept. of Electrical & Electronics Engg.  
Avanthi Institute of Engg. & Tech,  
Narsipatnam.

  
12/02/22

# INDEX

TOPIC	PAGE NO.
➤ INTRODUCTION	1
➤ PROBLEM SUMMARY OR INTRODUCTION	2
➤ AIMS AND OBJECTIVES OF THE WORK	3
➤ REQUIRED COMPONENTS	4
➤ DESCRIPTION OF COMPONENTS	5-8
➤ CIRCUIT DIAGRAM	9
➤ APPLICATIONS	10.1
➤ ADVANTAGES	10.2
➤ DISADVANTAGES	11
➤ CONCLUSION	12