"NAVIGATION SYSTEM FOR BLIND PEOPLE"

(Sponsored by K.S.C.S.T)

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SUBMITTED BY

NAYAN I. JADAV	**2MM07EC020**
PRIYANKA V. PAWASHE	**2MM07EC028**
REKHA N. GURAVVAGOL	**2MM07EC031**
ROHINI I. HIREMATH	**2MM07EC032**

Under the Guidance of

Prof. S.S. BEVOOR

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

MARATHA MANDAL'S ENGINEERING COLLEGE

R.S.No.104, Halbhavi, Opp. Siddhaganga Oil Mills,

P.O. New Vantmuri, Via-Kakti, Belgaum-591113.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM.

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ABSTRACT

Visual impairment is one of the most severe types of disabilities a person must Endure and, despite numerous advancements in technology, it remains a serious Problem to this day .The aim of our project is to design and develops an automated system which should assist the blind people to find his own way. Here a prototype GPS is used which will Guide the blind person with the help of a voice processor. Here a portable system is developed which should be carried by the blind person with a battery and a Microcontroller unit and a voice processor. This system informs the blind person at his Each and every area at which area he is at present and the movements. GPS based voice alert system for the blind uses the current location and gives the alert to the blind man if it was his destination area. This paper describes the concept using a microcontroller based system. The system has a dynamic user interface and is easily operable. The system is realized using a prototype GPS, i.e. IR transmitter and a Voice Module (APR9600) interfaced with a AT89S52 microcontroller.