

PROJECT REPORT ON
BLIND ASSISTING DEVICE

Submitted by:

ASHWINI B	4PA05TE011
AYSHATH SAMIRA	4PA05TE013
KRITHIKA SHETTY	4PA05TE019
SHAIBA B R	4PA05TE044

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PROF. AMJAD KHAN., B.E., M.Tech



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ABSTRACT

In our project we design an embedded device to provide assistance to the blind or visually impaired. For them, all that objects which exists in their way is not easily accessible. The main aim of this system is to build an automatic object detecting assistant which is of small-size, mobile and low cost price. There are a number of recent technical developments which will assist people with disabilities to find features within their environments. The devices include ones which give the users information on what is available in their vicinity and ones which help them to navigate to a particular facility. This project idea sets out to list and describe a number of items of new technology and how they can be used to assist blind and partially sighted people. Embedded system is the center of this device. It comprises of PIC microcontroller 16F877A, sensors, voice ROM and vibrator. The sensor status is measured and given to the output devices through the PIC Microcontroller.