

VIRTUAL EYE FOR THE BLIND

A PROJECT REPORT

Submitted by

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ABSTRACT

Till date blind people struggle a lot to live their miserable life. Their problems have made them to lose their hope to live in this competing society. They seek help from others to guide them whole day. This project aims to make the blind person fully independent in all aspects. The proposed system is based on “Atmel 89C51 and Detectors”. This constitutes a virtual eye which communicates to the outside surrounding using sensors and image processing techniques. The use of RF ID lets the blind to easily track his/her location. The processed information about surroundings will be informed through the speakers (output unit) by which blind people can move and make their work easily on their own. Then small vibrators can be placed on his legs, based on vibrations he can move safely.

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