A PROJECT REPORT ON

PSEUDO EYE FOR THE BLIND

(Sponsored by Karnataka State Council for Science and Technology)

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In partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

(VISHVESHWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM)

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2010-2011

ABSTRACT

Pseudo eye for the blind enables a person to navigate hallways and around large objects without sight, through the use of an ultrasonic sensor mounted in the forward direction and infrared sensors mounted on the right, left and the back direction with the help of the feed back from the speakers mounted on the user's head. The idea of this project is to construct a sixth sensory system that interacts with the body in an intuitive and user friendly fashion and enables the user to navigate without vision.

We also implement RF transmission in order to provide feedback to a program running on the computer to track of the sensory data obtained from the mobile user mounted sensor system. This enables the person sitting at the computer to observe where exactly the obstacle is detected around the person using the hat.