

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A PROJECT REPORT

ON

“SMART WALKER”

A GPS BASED SENSORY HEELS FOR BLIND PEOPLE

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2012-2013

ABSTRACT

The smart walker is designed with sensors all around the front end of the shoe. Three sensors are connected around the shoe. If obstacle comes in his/her path then voice module will guide the blind person. If he/she requires the help, there is panic button which helps to send the message to the controller by using GSM modem which is connected to the device. GPS is also interfaced with the microcontroller to get the current location of the blind. Apart from these features we have a buzzer which will beep when an obstacle is detected. An LCD display is provided to feed the cell phone number.