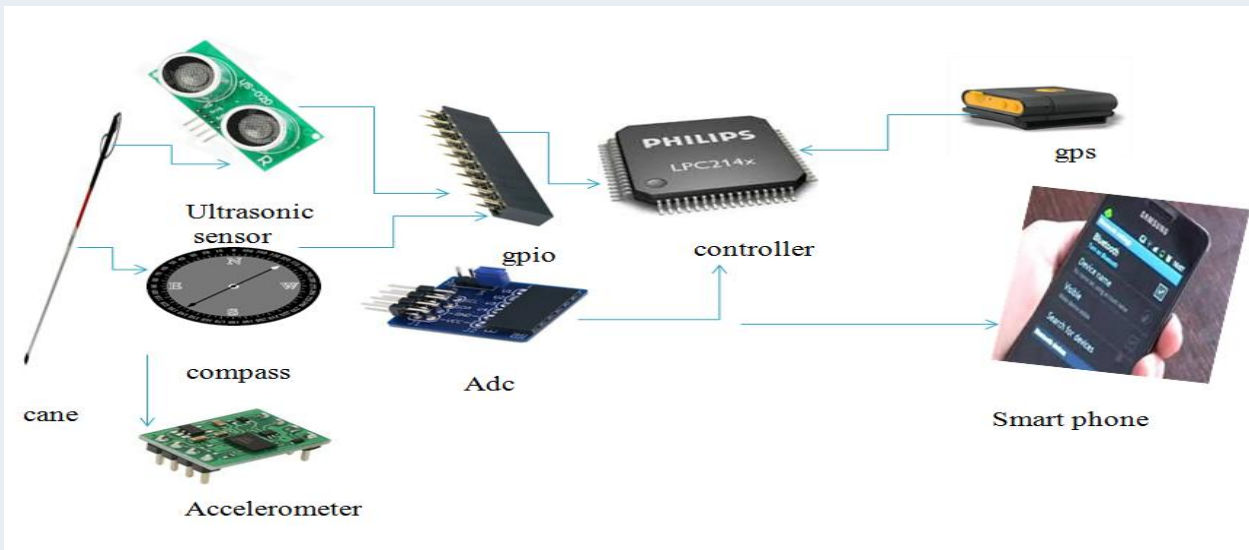


Department of Information Technology

PROJECT TITLE	Finding Obstacles for Impaired people using cane
STUDENT NAMES	I.M.Pooja Sri
SUPERVISOR	Ms.R.Rashmi
OBJECTIVE	The objective of this project is developing the hardware using embedded controllers that can detect dangerous obstacles and places correctly and can inform visually impaired persons of them effectively by means of voice message .
ABSTRACT/IDEA	The objective of this project is developing the hardware using embedded controllers that can detect dangerous obstacles and places correctly and can inform visually impaired persons of them effectively by means of voice message.
WORKING STEPS	<ul style="list-style-type: none"> ▶ Get axis value from accelerometer. ▶ Value fed to adc ▶ Gps value along with all above values fed to controller . ▶ Controller checks whether cane button is pressed
REQUIREMENTS	<ul style="list-style-type: none"> ▶ LPC2148 ▶ Compass ▶ GPS ▶ Ultrasonic sensors ▶ Accelerometer ▶ Bluetooth ▶ Battery

SYSTEM ARCHITECTURE



BENIFITS

1. Direction change of the person can be indicated
2. Current location of the person can be determined using latitude and longitude value

SCREEN SHOTS

