"Third Eye for blind person"

❑ Project Details/Components:

1.Arduino Uno R3(1): Arduino is used to control all the components.
https://robodocbd.com/arduino-uno

2.Ultrasonic Sensor(3): Ultrasonic sensors are used to measure distances
   of front ,right and left side.
https://robodocbd.com/hc-sr04-ultrasonic-sensor

3.Compass Sensor(1): compass sensor is used to find the direction.
http://www.robotpark.com/GY-271-HMC5883L-3-Axis-Magnetic-Electronic-Compass-Module

4.Bluetooth Module(1): Bluetooth modules is used and connected with
   mobile application that help us to give voice command.
 https://robodocbd.com/bluetooth-module-breakout-hc-05

5.Vibrator Motor(2): vibrator motors are used . One in right side and one
   in left side. Those will help to understood which direction he should go
   after any obstacle found in his front.
  https://robodocbd.com/coin-type-vibration-motor-10mm

6.Push Button(**1**)**:** switch is used to change the state like: compass state
,Emergency state.
https://robodocbd.com/4-pin-push-switch

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❑ <u>**Problem Faced & Solutions:**</u>

1.Power could be issue. You should use external 5-volt 2 Amp power source. You can use battery/ power adapter etc. but not UNO %volt source.

2. Now GY-271 isn't produced by the original company. So, the China copy won't work properly.

3.Connection and should be checked properly.