

Project Proposal

PH3042 Robotics and automation

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THE AWARE BOX

Overview

This project aims to make a security box to put some valuable object in safe and healthy condition. A box with Ultrasonic sensor, DHT 11 sensors are using. Ultrasonic and DHT 11 sensor readings can read using a mobile application. Ultrasonic sensor set in a side of the box. When there is an object in the box, get the distance between the object and the sensor to an app. If there is a change of distance reading it means object is moved therefore it can use to keep the object safe. DHT 11 is using to read humidity and the temperature in the box and using this data the object can keep in good condition.

Objectives

- Observe sensor data using mobile application.
- Control the condition in the box using the app.

Components

- DHT 11
- Ultrasonic sensor

Cost

No need any other components.