Motivation

"iDabba" a one of its kind product which enables the user to know everything about the items you keep in it!

It is fuss-free, convenient, extremely easy to use.

iDabba was designed with the intention to simplify everyday life and avoid hassles in kitchens. It aims to prevent spoilage and infestation in grains, pulses, flour and common usage food items.

Can be used by farmers, households and storage companies for easy location and identification of food items and monitoring surrounding conditions. Basically small scale silos.



Forgetting how much of groceries, fruits, veggies are left

Easily find weight of

Get data anywhere

with the web-app



Open dozens of containers and check items inside

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Mentor - Manoj Gulati | Instructor - Dr. Alexander Fell



Check and know realtime



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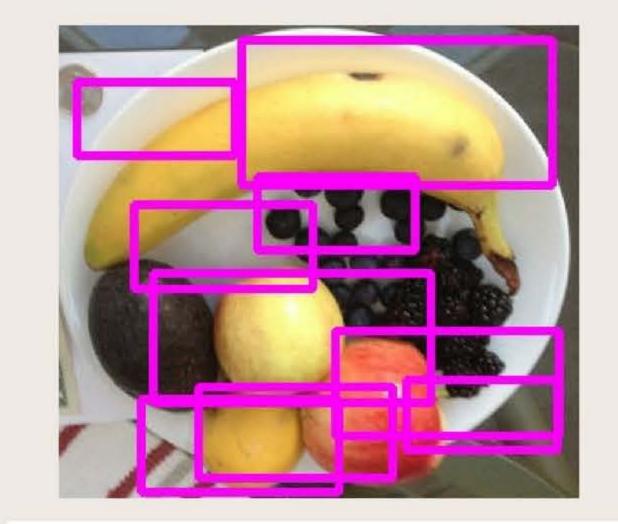
insect infestation and spoilage due to moisture



Humidity, temperature details at your fingertips

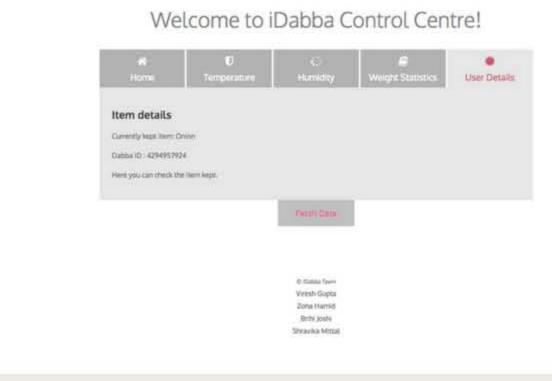


- DHT11 Humidity Sensor
- DS18B20 Temperature Sensor
- MFRC522 RFID Card Reader
- HX711 ADC and Load Cell
- ESP8266 WiFi Module
- Arduino Duemilanove
- Raspberry Pi 3
- Camera
- Extra electronic supplements



2. Web-app information display

1. Object Detection



iDabba Control Centre

3. Sensors and Circuit Design

