# #Challenge-13

## IoT Product - 1

Tank Water Management System(Dropium)

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Generally, people store water in the storage tanks

They face many problems with this tank water

**Some of the common issues are:**

1)Contamination of water
2)Green or black algae growing in the storage tank
3)Fire Damage to Storage Tanks
4)Checking of water level on a regular basis

Here comes the solution !

Dropium

# Dropium

Dropium is a IoT based one stop solution where the users can know the

- Temperature of the water
- pH of the water
- Water level
- Turbidity of water

In the app

We measure them using of different IoT based sensors
Such as

**1)pH sensor**
   To measure the pH  level of the water

**2)Temperature sensor**
   To measure the temperature of the water

**3)Ultrasonic sensor**
   To measure the water level using sound waves

4)**Turbidity sensor**
   To measure the turbidity (the level of relative clarity of liquid)

This real-time data is displayed in the app and notifying
user in dangerous/emergency situations

Tech stack used

1)Flutter
2)Firebase

Sensors used

1)pH sensor
2)Ultrasonic sensor
3)Turbidity sensor
4) Temperature sensor