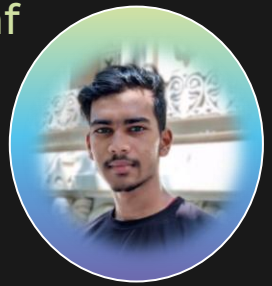
TEAM – SYTAX ERROR

Arka De

Sameeksha Saraf

Yash Raj Mani

Naisa Gupta



Ankit Singh

Problem Selected:

ET08:
Wireless water level sensor

In most of the houses when an overhead water tank gets Filled, it overflows and excess water tends to get wasted. To overcome this problem, presently a 'water guard with sensor' is available which stops motor pump when the tank gets flled. This water guard requires long wiring. Presently this problem exists especially in urban areas where most of buildings are multi-storeyed, it causes several complications including high initial cost of installation and periodic maintenance.

OUR SOLUTION

- Our team aims to address the issue of water wastage and even water scarcity in equatorial areas. We are providing a solution for generations which will have a positive impact on water conservation in an economical way.
- We are here with SMART Wireless Water Level Sensors: our solution to the major water wastage problem that is WATER-OVERFLOW.

Tank-e

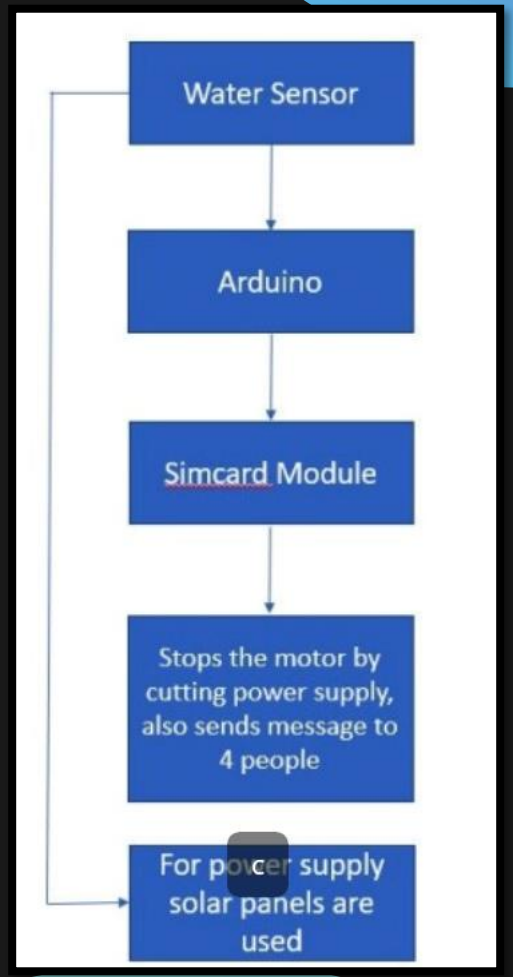
Your Own **WATER GUARD**

Features ACHIEVED:

- Our team aims to address the issue of water wastage and even water scarcity in equatorial areas. We are providing a solution for generations which will have a positive impact on water conservation in an economical way.

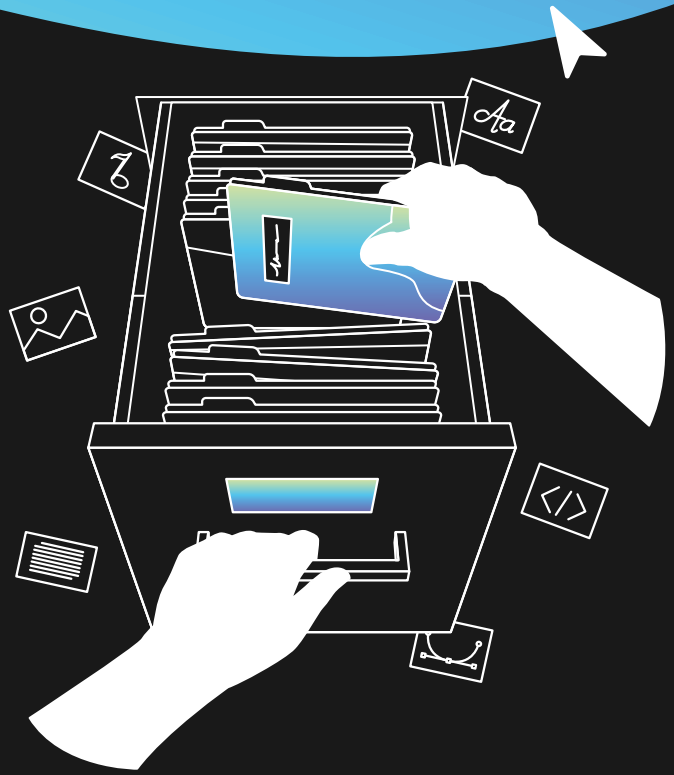
What is included :

1. NO INTERNET REQUIRED
2. AUTOMATIC MOTOR ON/OFF.
3. WATER-LEVEL INDICATORS
4. DEDICATED APPLICATION
5. TRUE WIRELESS- GSM Based Communication.
6. SMS ALERT
7. Rechargeable Battery / Solar Powered



Technologies USED

- Flutter –Cross Platform App Development
- Arduino UNO
- BATTERY / SOLAR
- GSM Module X2 SIM900A
- WATER SENSORS
- ULTRASONIC SENSORS



Thank you !

FUTURE SCOPE

FUTURE:

It can be integrated to dams, water farming fields, rain water harvesting or anywhere else where controlled floe of water is required and that too wirelessly.

standing water required for centain type of crop production [irrigation]- hydro dynamo management system/ dams- inside the steam boilers in electricity production- cooling towers- desalination plants

PROBLEMS SOLVED:

About 10,000 people die every year due to dehydration and unavailability of water.

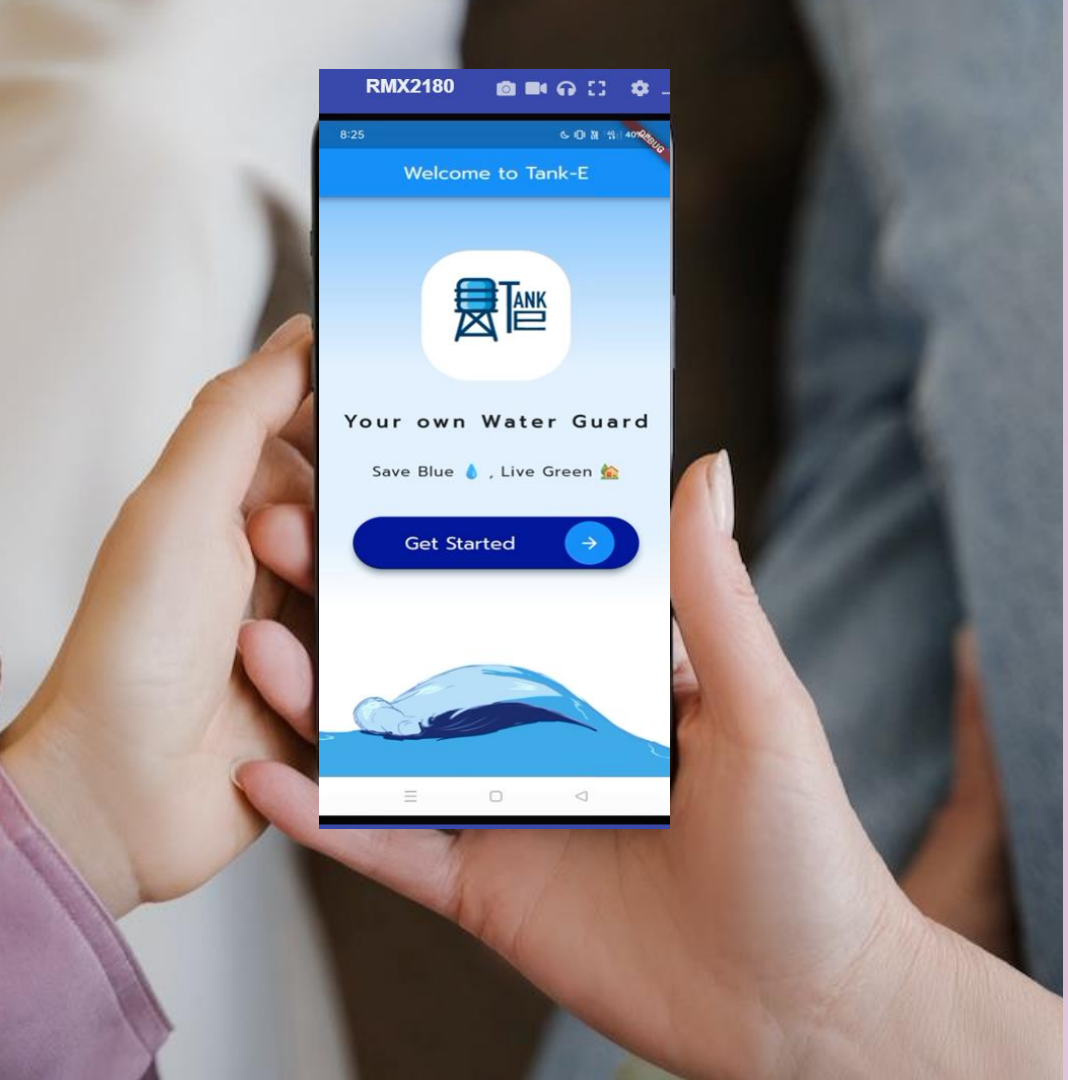
A 10 min overflow can cause a wastage of 1500 liters.

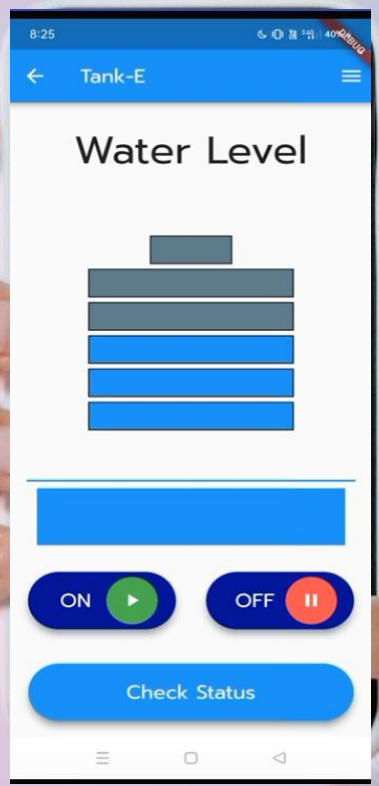
In India every year , 580,937,500,000 Liters of water is being wasted by TANK OVERFLOW.

PROTO TYPE

DEMO: https://drive.google.com/drive/folders/1gIPF-p0Hf9LzsHkRd2Du2WrJdNaoDy2y?usp=share_link

GITHUB: https://github.com/yashrajmani/syntax-error


RMX2180
8:25
Welcome to Tank-E
Your own Water Guard
Save Blue 💧 , Live Green 🏡
Get Started


8:25
Tank-E
Water Level
ON
OFF
Check Status