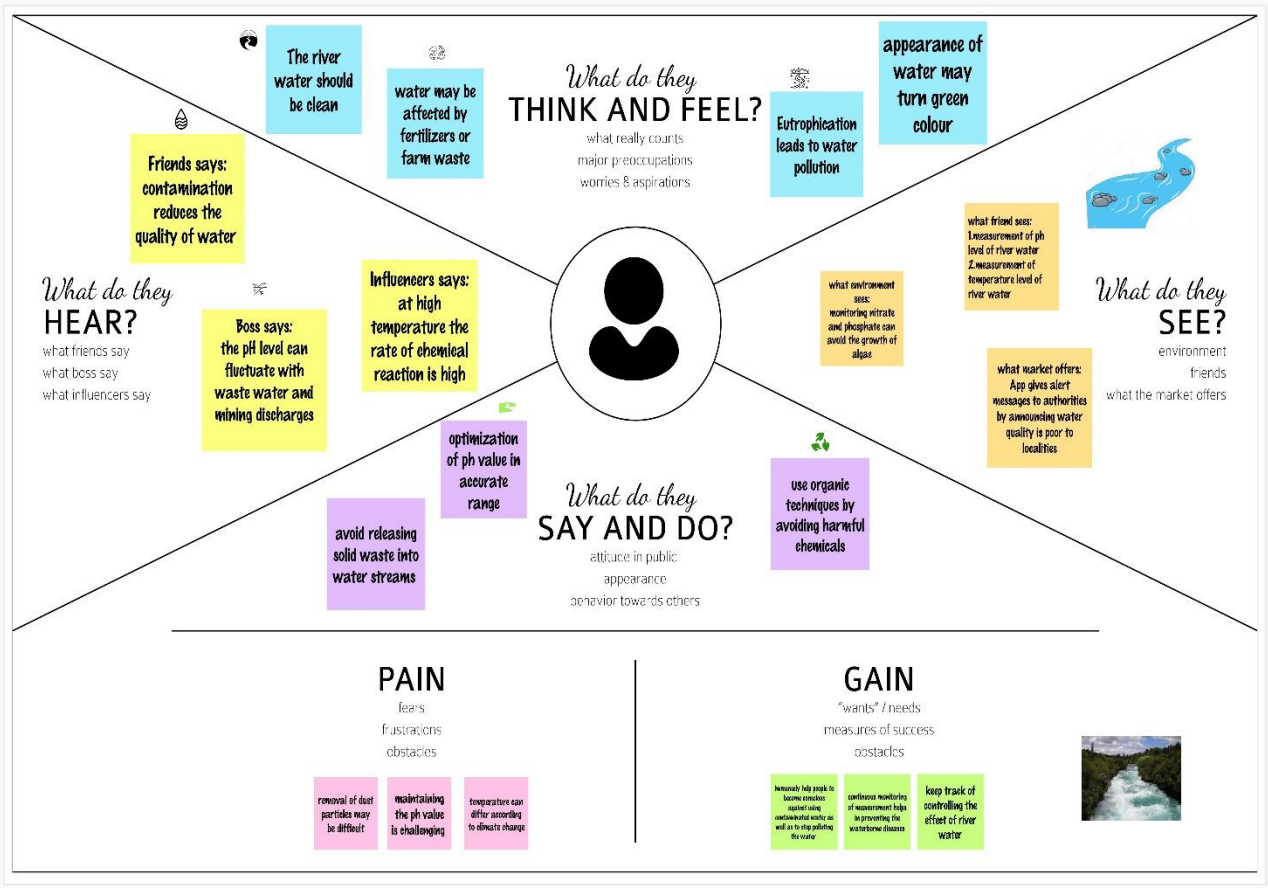
NALAIYA THIRAN
WEEK 3 REPORT

Phase 2 Description: Ideation Phase (Literature Survey, Empathize, Defining Problem Statement, Ideation)

2.3 Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements

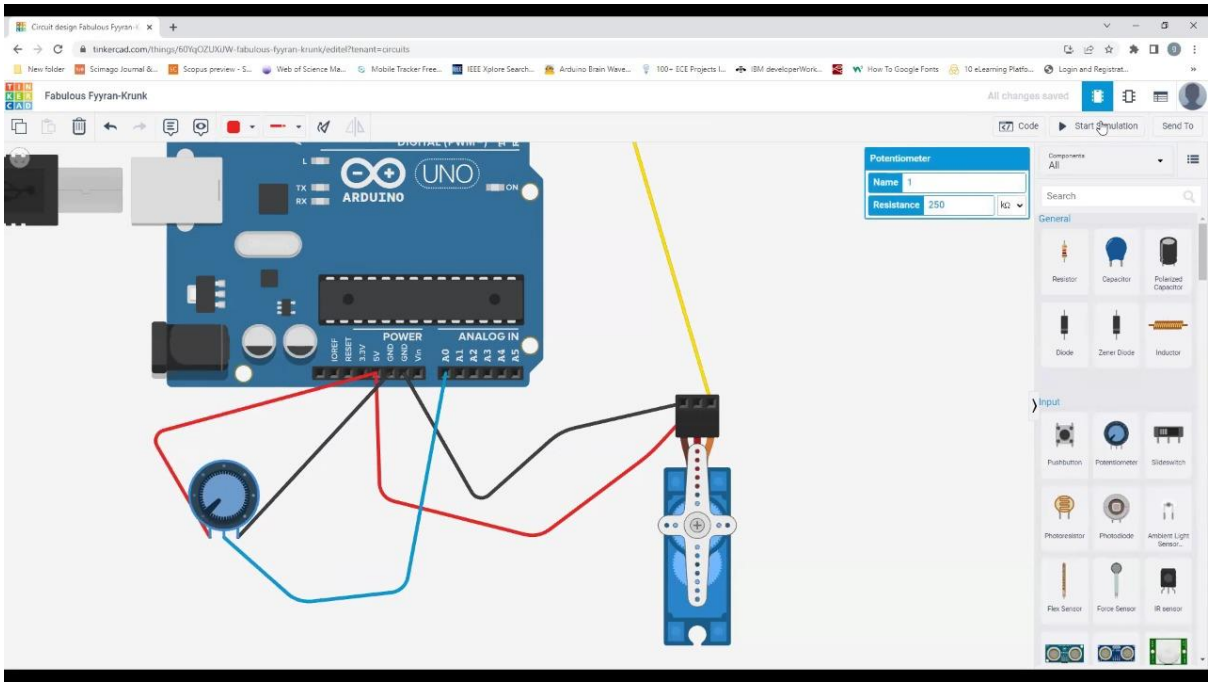


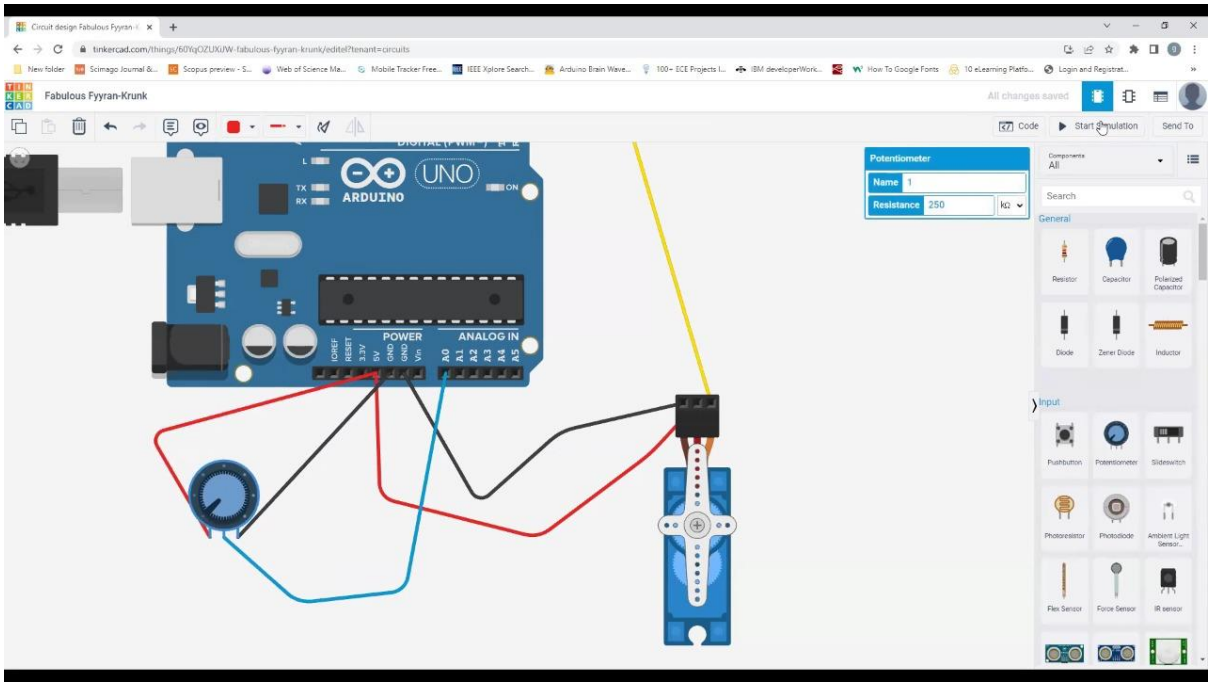
PROBLEM STATEMENT:

Due to the fast growing urbanization supply of safe drinking water is a challenge for the every city authority. Water can be polluted any time. So the water we reserved in the water tank at our roof top or basement in our society or apartment may not be safe. Still in India most of the people use simple water purifier that is not enough to get surety of pure water. Sometimes the water has dangerous particles or chemical mixed and general purpose water purifier cannot purify that. And it's impossible to check the quality of water manually in every time. So an automatic real-time monitoring system is required to monitor the health of the water reserved in our water tank of the society or apartment. So it can warn us automatically if there is any problem with the reserved water. And we can check the quality of the water anytime and from anywhere. By keeping this mind we designed this system especially for residential areas.

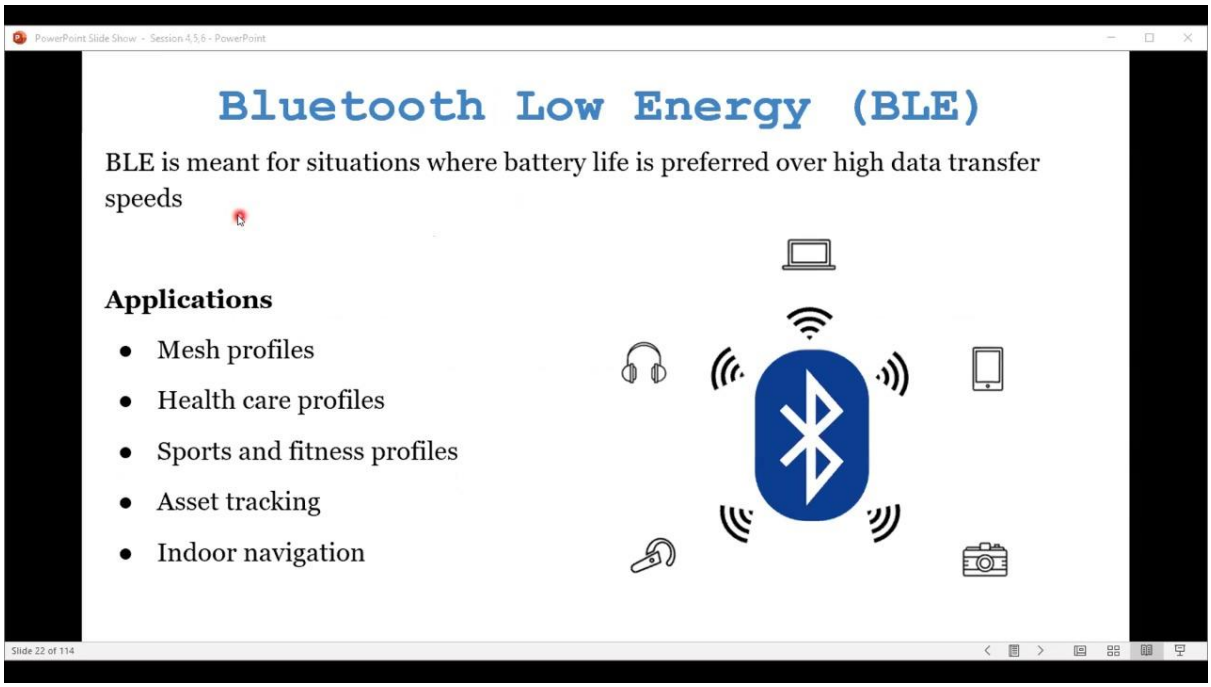
2.4 Attended the technology trainings as per the training calendar

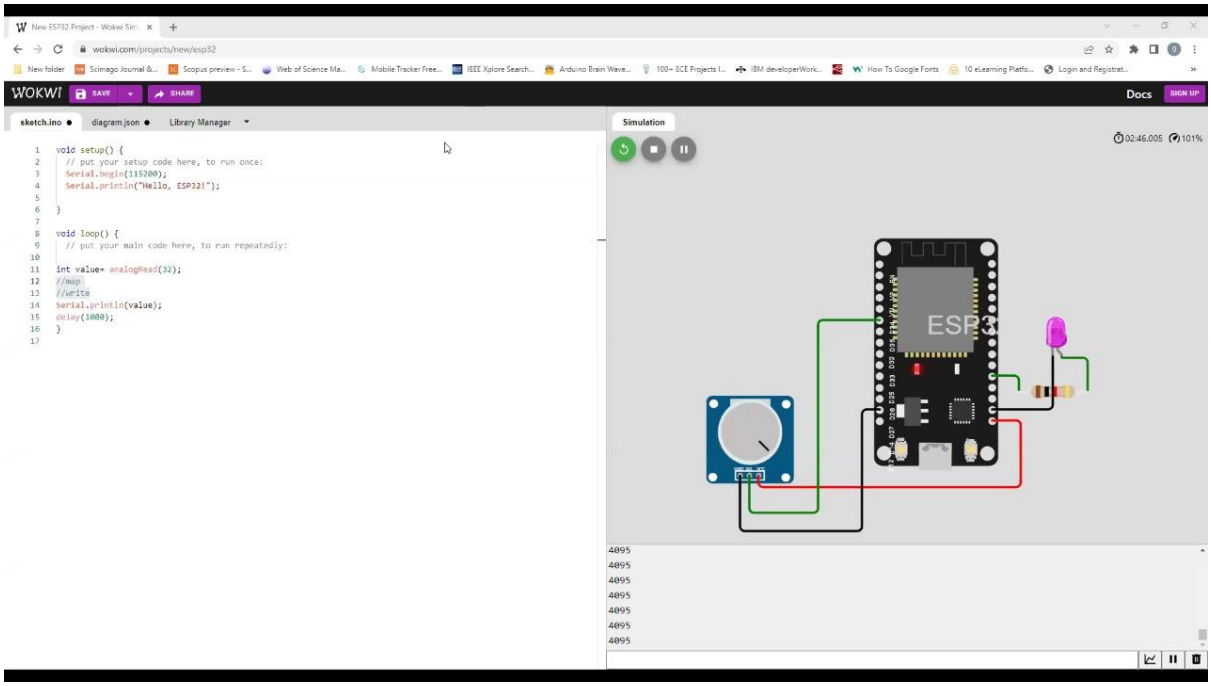
IoT -B3-3M5E (Evening Session) - Day 3 (09.09.2022)





IoT -B3-3M5E (Morning Session) - Day 4 (14.09.2022)




wokwi.com/projects/new/esp32
WOKWI
SAVE
SHARE
Docs
SIGN UP
sketch.ino
diagram.json
Library Manager
void setup() {
// put your setup code here, to run once:
Serial.begin(115200);
Serial.println("Hello, ESP32!");
}
void loop() {
// put your main code here, to run repeatedly:
int value= analogRead(32);
//map
//write
Serial.println(value);
delay(1000);
}
Simulation
02:46.005
101%
ESP32
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