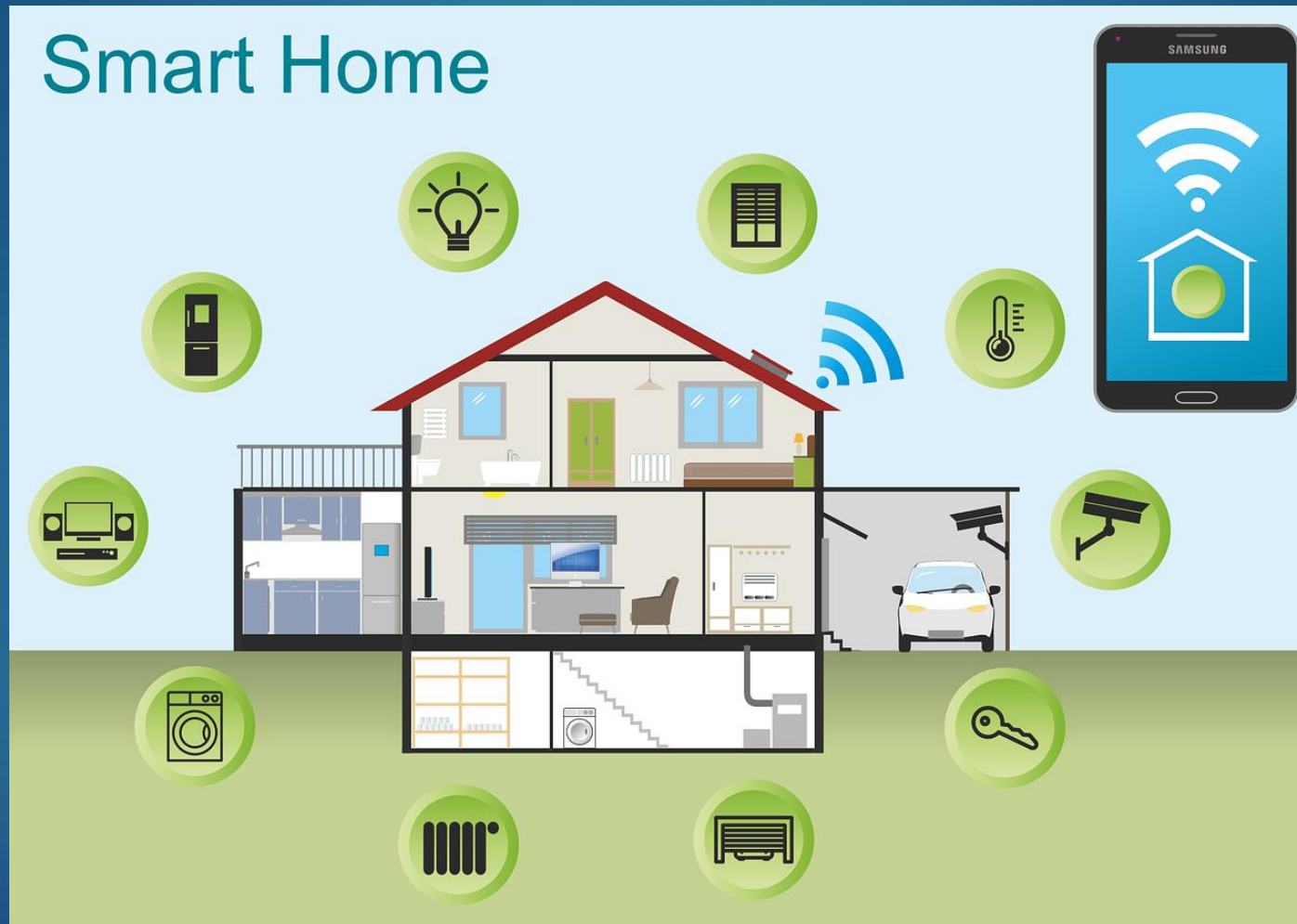# IOT PROJECT

- Intranet of Titans

Smart Home

By Intranet of Titans

❖ **About Intranet of Titans:**

○ **Team Members:**

- Penumalla Aditya Pavani (2021101133)

- Kadali Lakshmi Nirmala (2021101126)

- Abhinay Maurya (2021101132)

- Vempati Siva Koti Reddy (2021101135)

ABOUT SMART HOME:

Our project involves

- Controlling electrical appliances using website

- Detecting arrival of vehicles and automatically opening the gate

- Monitoring Temperature and Humidity inside the home

- Detecting water level and giving alarm through buzzer

Gate Automation:

- Ultrasonic sensor detects the motion of any vehicle which comes nearer to the Main gate.
- After detecting the vehicle, the gate opens automatically by using Servo Motor.
- This way it allows the vehicle inside.
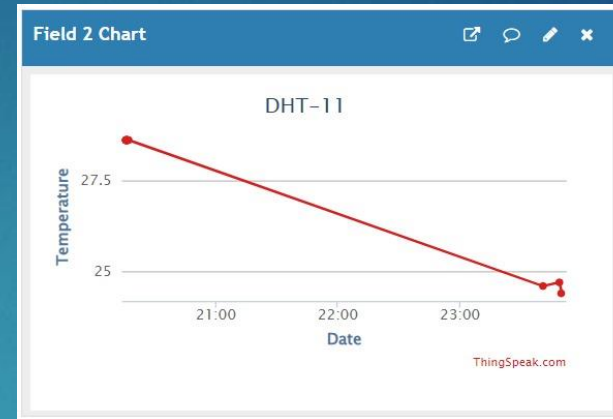

Components used:

- Ultrasonic Sensor
- Servo Motor
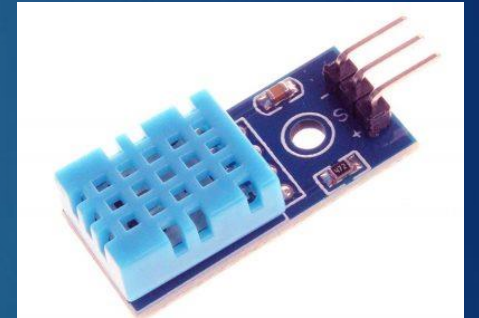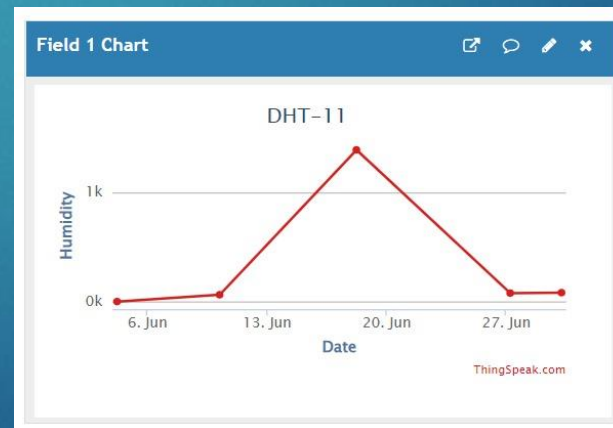

Ultrasonic Sensor

Servo Motor

MONITORING TEMPERATURE

o Here we are monitoring the temperature in the home daily and sending the data to ThingSpeak.

o The Sensor we use is DHT11.

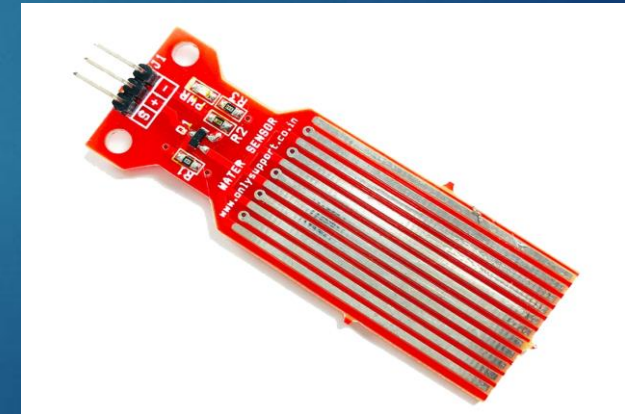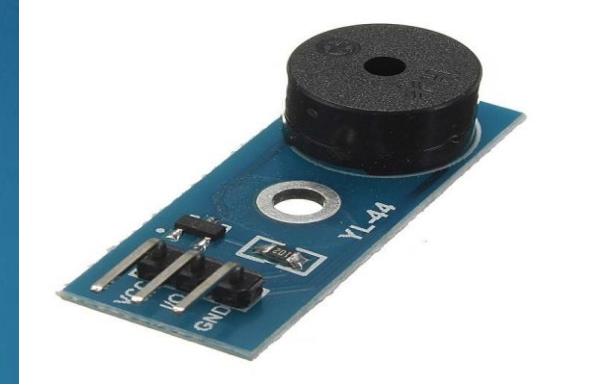o Beside is the Graph of the Temperature data sent to ThingSpeak.

MONITORING HUMIDITY

o Here we are monitoring the Humidity inside the home daily and sending the data to ThingSpeak.

o The Sensor we use is DHT11.

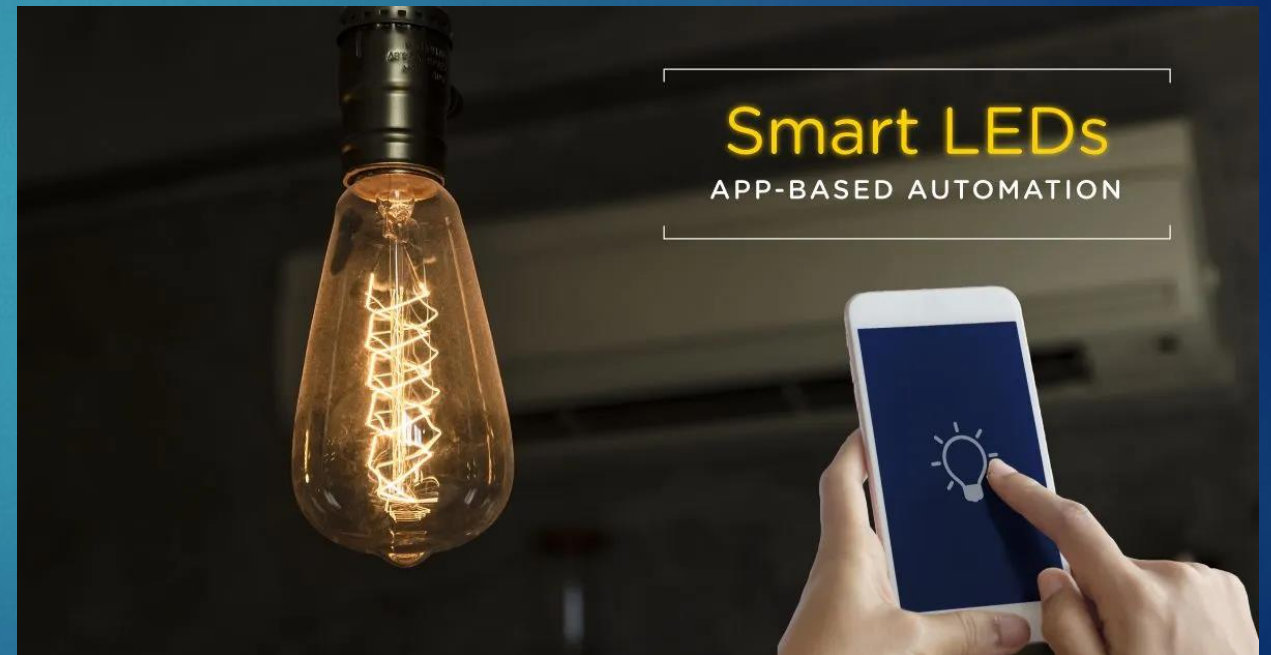o Beside is the Graph of the Humidity data sent to ThingSpeak.

Water Level Indicator

o Here we are monitoring the level of Water

o The Sensor we are using is Water Level Sensor.

o If the Water level in the tank is high, it will give alert
through buzzer…it is also helpful in saving water.

Controlling Electrical Appliances:

o We are turning lights on and off in every room through website.

o This way people could easily control electrical appliances from anywhere.

o It helps to control our home just using Website.

Smart LEDs
APP-BASED AUTOMATION

THANK YOU