



# Drainage Monitoring System Using IoT



## ABSTRACT

The Internet of Things (IoT) consists of real life objects, communication devices attached to sensor networks in order to provide communication and automated actions between real world and information world. The proposed model provides a system of monitoring the water level inside a Drainage to Monitor the clogs. It also monitors underground installed electric power lines. In real time it can remotely monitor current states of the Drainage.

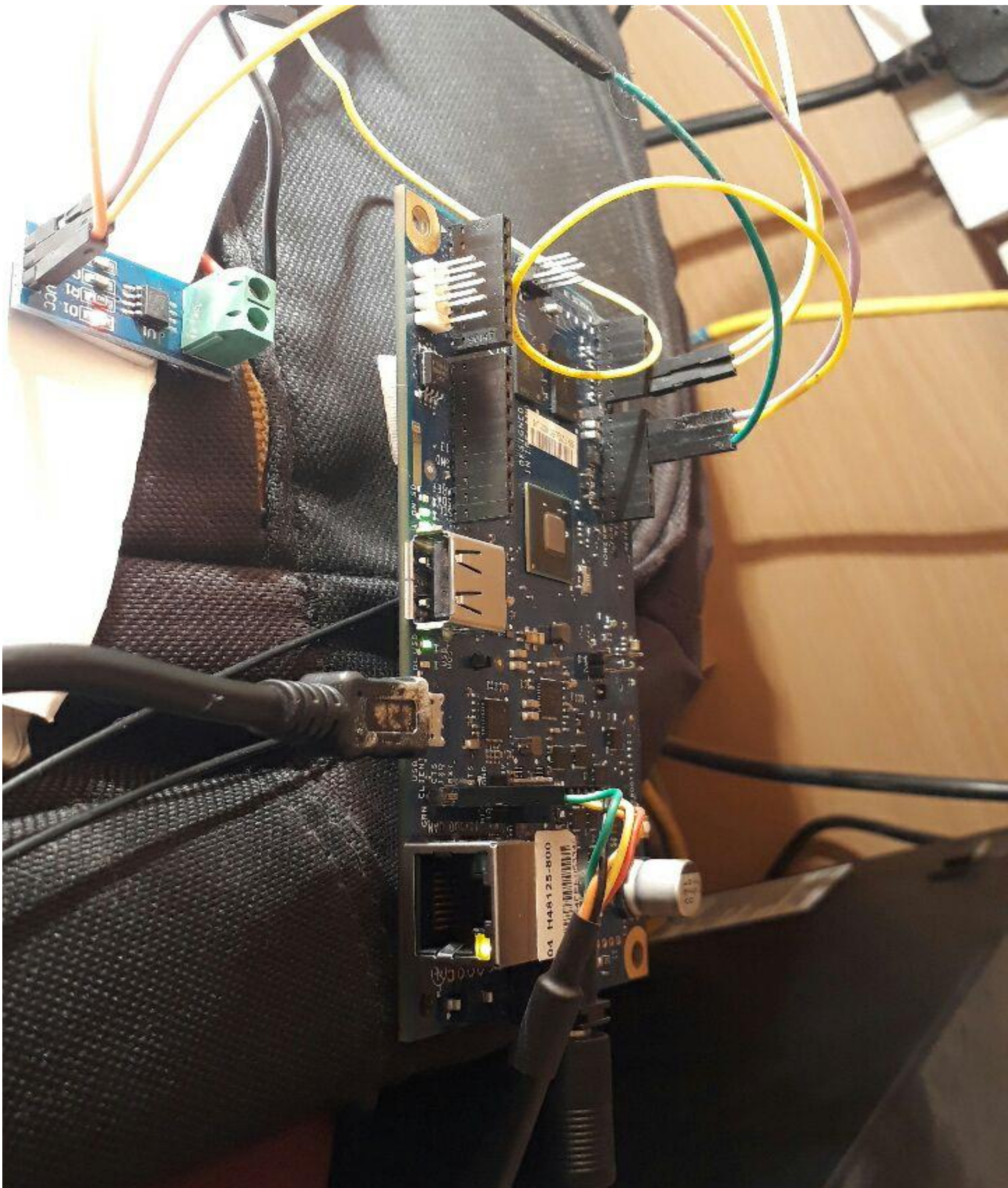
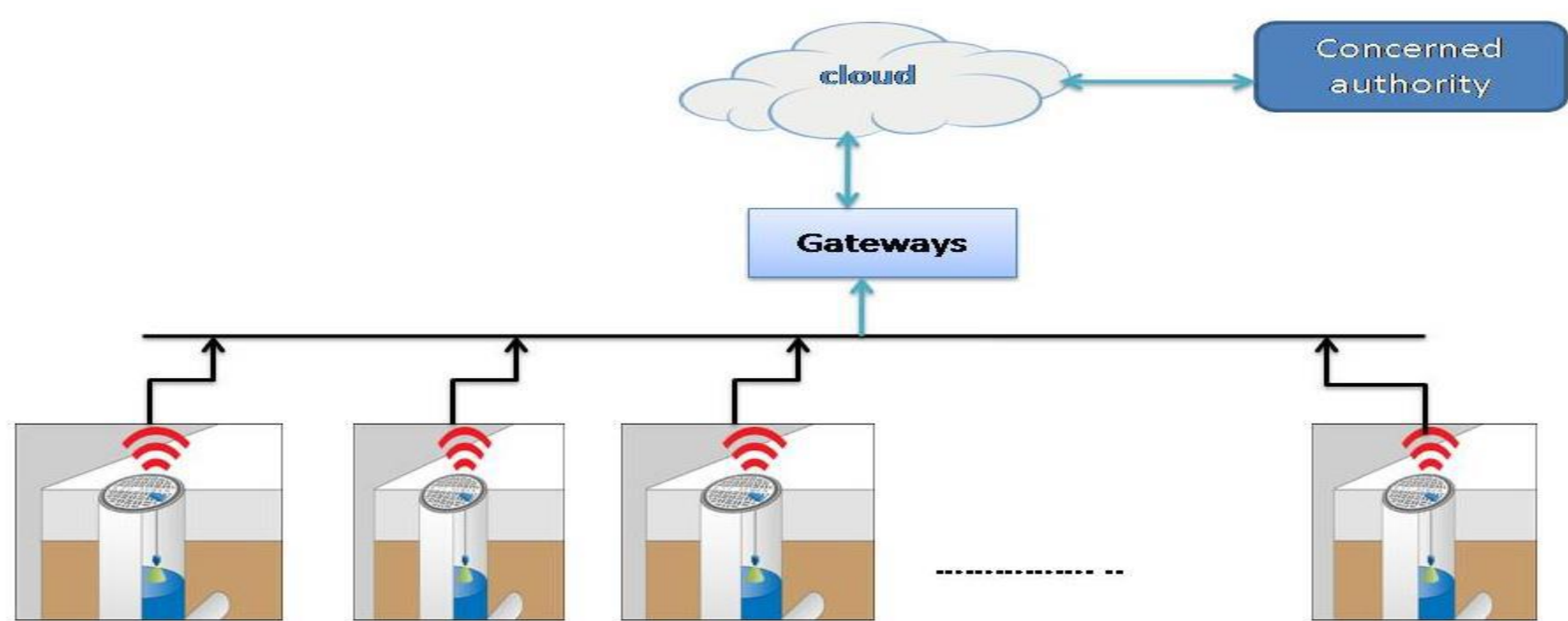
## OBJECTIVE

The Theme of this project is to design a Drainage monitoring System to reduce the effect caused by water logging during floods.

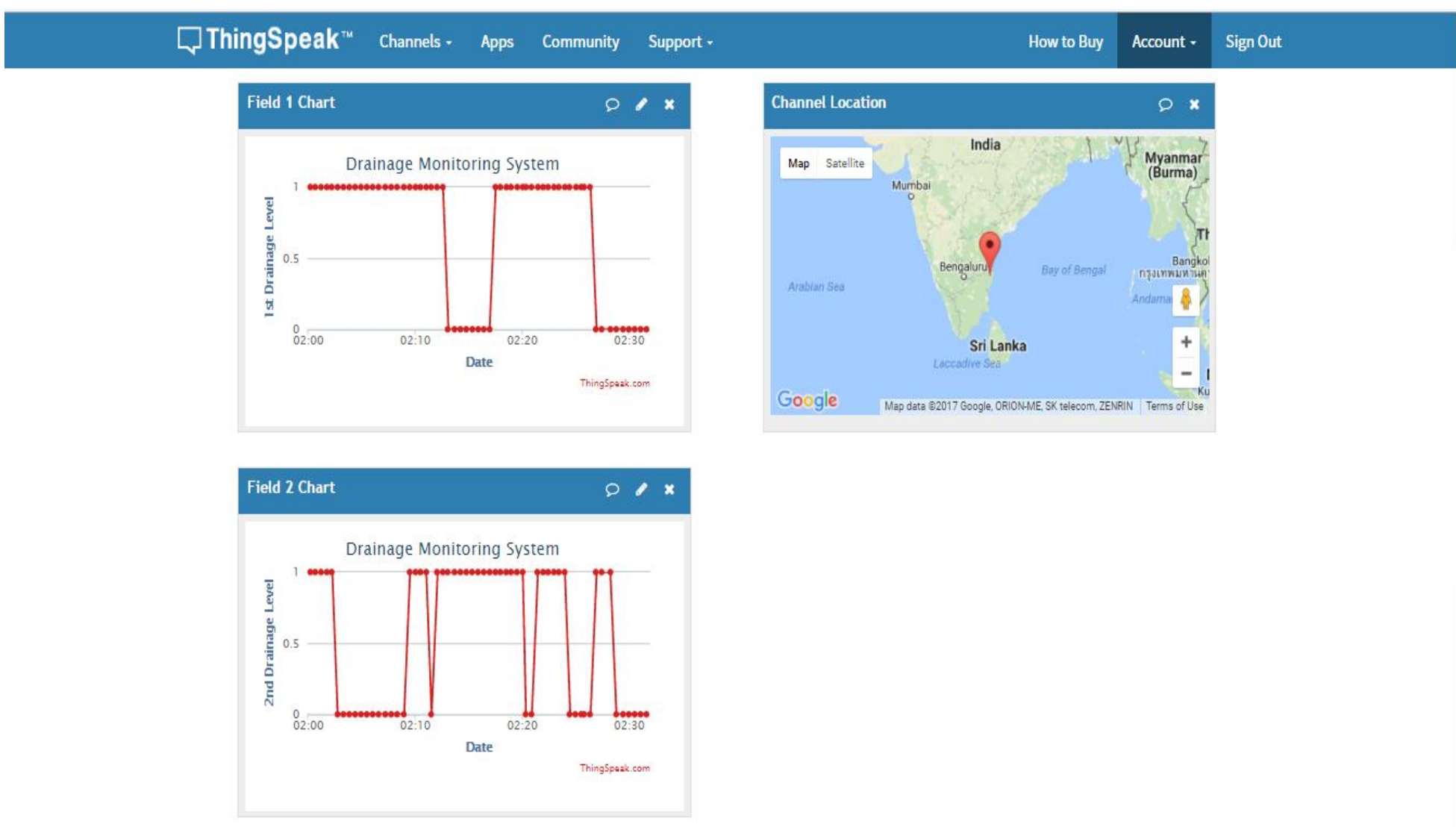
## HARDWARE / SOFTWARE USED

- Intel Galelio Gen 2
- UltraSonic Sensors
- Arduino
- WiFi Module
- GSM Sheild
- Antennas

## BLOCK DIAGRAM



## Output



## CONCLUSION

Thus the clogs in the drainage gets identified using the Ultrasonic Sensors and the concerned authorities notified from the cloud and GSM. So that the early action will be taken to prevent from heavy Flood Effects.

## REFERENCE

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