

CSCI U509 – Introduction to Internet of Things

IoT In-class Project-4

Demo Video due on Tuesday, April 21, 2020 at 5PM in Blackboard

Note: You need to make a demo video for the output for each of the circuit below and submit the video on Blackboard on Tuesday, April 14. Please explain the output when you make the demo video.

- **Water Level Email Notification Using Raspberry Pi**
 - Using Node-RED programming tool, draw the flow diagram of the following circuit to measure the water level in a water tank using Raspberry Pi and Ultrasonic sensor and send the notification to the user. Please go through the lecture 10 for more details.

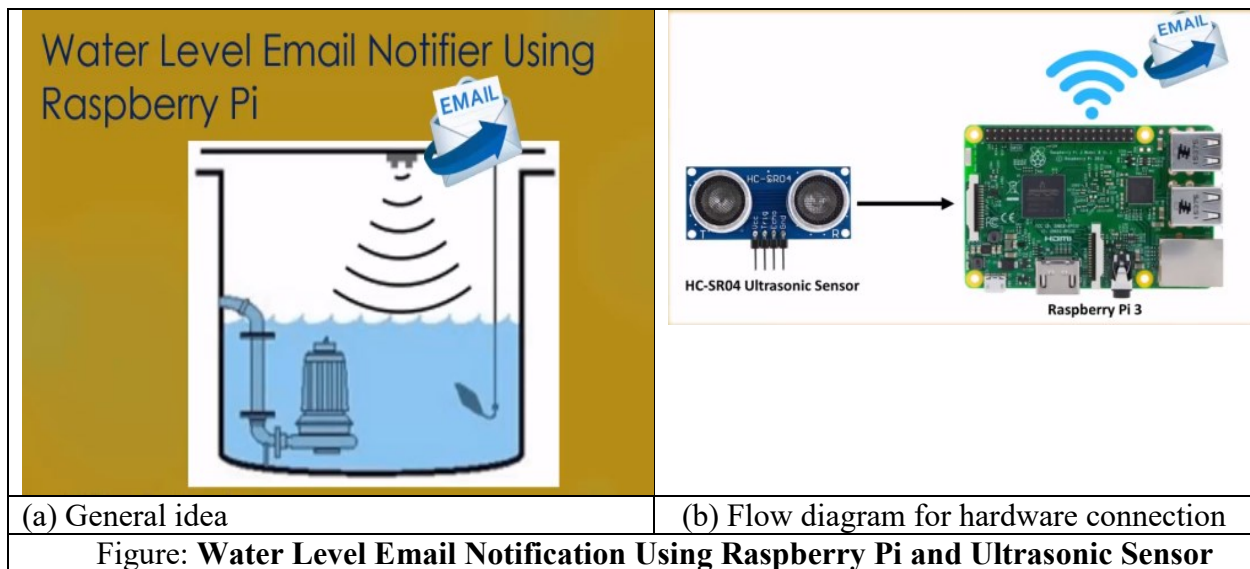


Figure: **Water Level Email Notification Using Raspberry Pi and Ultrasonic Sensor**

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new interesting ways.

It provides a browser-based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its runtime in a single-click. Please go through the <https://nodered.org/> for demo instructions.