Rainproof Flood Detection System

Better Safe Than Sorry

What Tasks Is It Built To Solve?

- To notify the public of nearby incoming floods.
- To reduce the number of human flood-watchers.
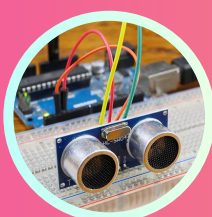- To mitigate further property damage.

How Does It Work?

1. First, the distance sensor receives analog data and sends it to the Arduino Board.
2. Second, the data is converted into the human-readable distance in inches.
3. Third, if the distance is within safe limits, then the distance will only be displayed on the LCD.
4. And fourth, if a flood has been detected, then the LED and Buzzer will repeatedly blink until the water level sinks to safe levels.
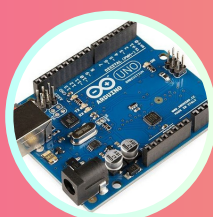
What Makes It Work?

1. HCSR04 Ultrasonic Distance Sensor
2. Arduino UNO Board
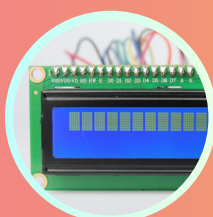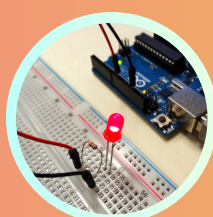3. 16x1 Liquid Crystal Display
4. Red LED
5. Buzzer

1.   2.   3.   4.   5.

Is It Rainproof?

- Yes*. Please, don't even try :D