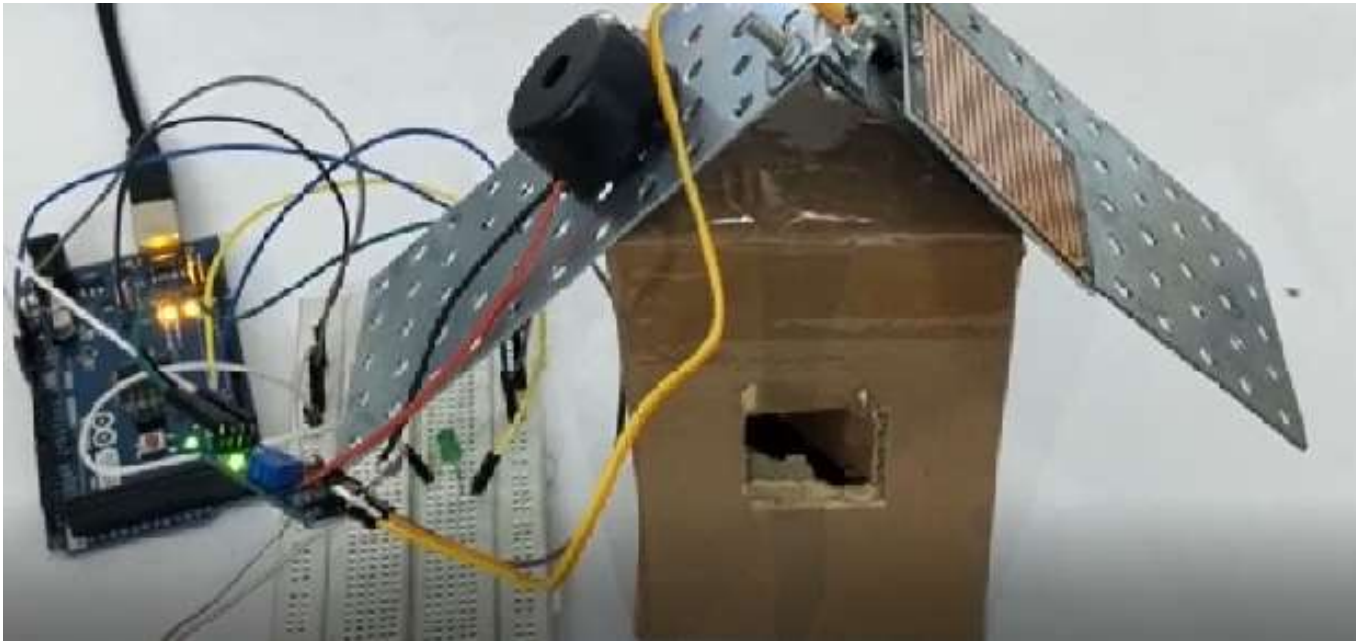# Automatic Rain Alarm Detector

Raindrop sensor

• **The Raindrop sensor module** is used for rain detection. It is also for measuring rainfall intensity.

• The module includes a rain board and a control board that are separate for more convenience. It has a power indicator LED and an adjustable sensitivity though a potentiometer.
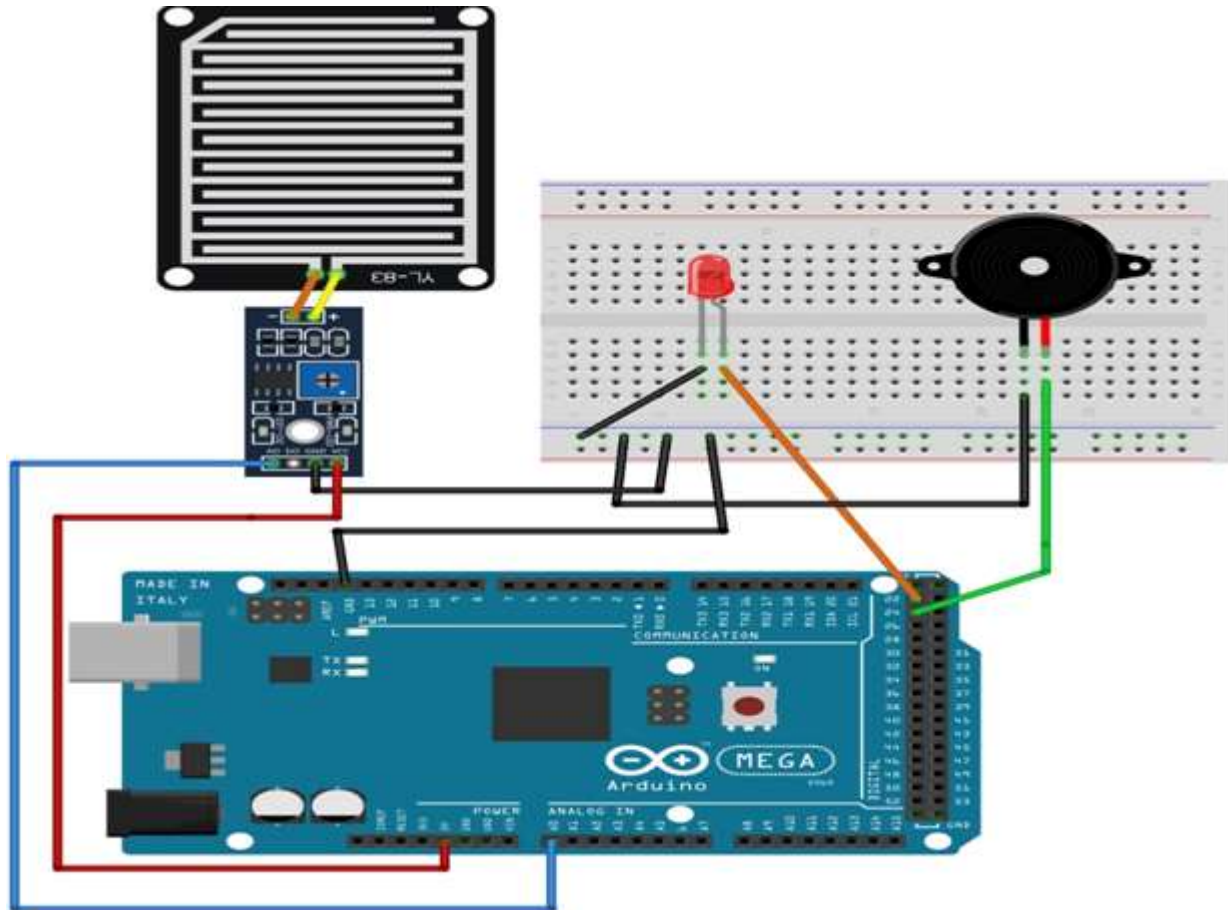
Working of project

•In this project basically raindrop sensor senses **rain** when comes ,buzzer will create alarm as **rain alarm detector**.

•A **Raindrop sensor** or **rain** switch is a switching device activated by rainfall.

•As rain drops are collected on the circuit board, they create paths of parallel resistance that are measured via the op amp.

Components required

- Arduino Mega

- Raindrop sensor

- Buzzer

- LED

- Breadboard

- Jumper wires

Connection Diagram

Connections

1. Connect A0 pin of raindrop sensor with A0 pin of Arduino.

2. Connect Vcc of sensor with +5V of Arduino.

3. Connect GND of sensor with GND Arduino.

4. Connect buzzer's positive pin with 24 pin of Arduino and negative pin with GND pin of Arduino.

5. Connect LED's positive with 22 pin of Arduino and negative pin with GND pin of Arduino.

Project Link : https://youtu.be/0BnZ33z5ZtI