RAIN DETECTING SENSOR

ABSTRACT :

INTRODUCTION:

A rain sensor is also called as a rain switch.it is a switch device activated by rainfall. There are two main applications for rain.

WORKING:

The working of rain sensor is to detect the rain and generate an alarm and the switch will be closed normally. This generated alarm detect us to take further actions. We can also conserve water for different purposes .

The rain sensor detects water that completes the circuit on its sensor boards printed leads .The sensor board acts as a variable resistor that will change from 100 k ohms when wet to 2m ohms when dry

APPLICATIONS:

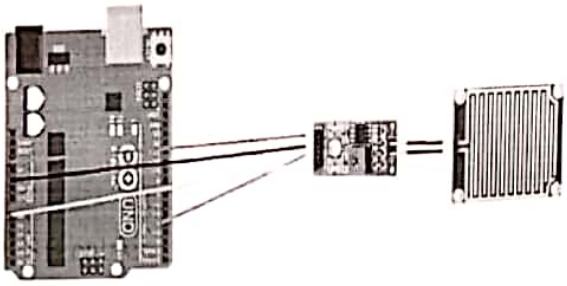
- The rain sensor are used in detection of water beyond what a humidity sensors can detect .
- The rain sensor is used as a water preservation device and this is connected to that irrigation system to shut down the system in the event of rainfall .

EQUIPMENTS TO BE USED:

- Rain sensor.
- Arduino board .
- Jumper wires (generic).
- Bread board (generic).

- USB cable .

CIRCUIT DIAGRAM:



ESTIMATED COST :

- Arduino UNO – 350
- Bread Board -60
- Jumper wires -40
- USB cable -55
- Rain sensor -95

TOTAL COST =600

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