

## **Flood alert system using Arduino UNO with SMS and Call**

The main aim of this project is to design a flood level detection, intimation and calling system using Arduino.

This project makes a use of Arduino uno microcontroller, main controlling device of the project. Water level sensor is used to detect the flood level. This system consists of GSM technology for sending the intimation SMS and call.

The min controlling device of the project is Arduino UNO microcontroller. GSM, water level sensor, Buzzer is interfaced to the Arduino microcontroller. When the water level sensor detects the high flood, this system will be sending the alert SMS and call to the predefine mobile number through GSM also activate the buzzer for alerts. To achieve this tsk microcontroller loaded program written in embedded C language.

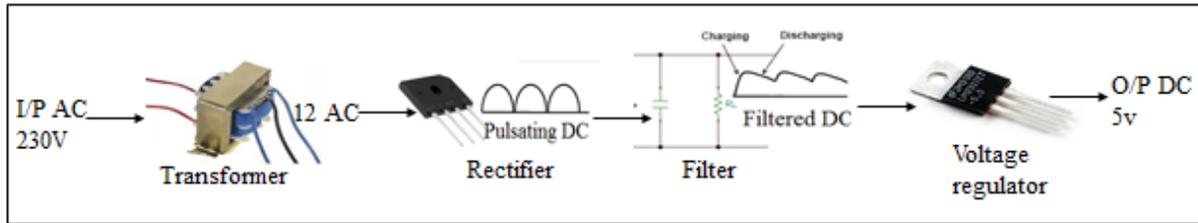
### **The main building blocks of the project are:**

- Power Supply.
- ARDUINO UNO Microcontroller.
- Water level sensor.
- GSM.
- Buzzer.

### **Software's used:**

- Arduino IDE for Embedded C programming.
- Express SCH for Circuit design.

### **Regulated power supply:**



**Block diagram:**

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