**CODE**

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The circuit:

\* GSM MODULE(SIM-900 MINI) 5VT(TX) CONNECTED TO PIN 9(RX FOR SOFTWARE SERIAL)

\* GSM MODULE(SIM-900 MINI) 5VR(RX) CONNECTED TO PIN 10(TX FOR SOFTWARE SERIAL)

\* RAINDROP SENSOR DO TO PIN 11

\* RAINDROP SENSOR AO TO PIN A0

\* CONNECT VCC OF RAINDROP TO 5V OF ARDUINO UNO

\* CONNECT VCC OF GSM TO 5V OF ARDUINO UNO.

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#include <SoftwareSerial.h>

SoftwareSerialmySerial(9, 10); //(RX,TX)

int d=0;

void setup() {

mySerial.begin(9600);

Serial.begin(9600);

pinMode(11,INPUT); //FOR DIGITAL INPUT

pinMode(A0,INPUT); //FOR ANALOG INPUT

delay(50);

}

void loop() {

intsensorReading = analogRead(A0); //READ RAINDROP SENSOR VALUE

if(sensorReading<500) //WHEN SENSOR DETACT RAIN IT'S ANALOG VALUE REDUCE

{

Serial.println("Raining");

SendMessage(); //SENDING SMS SIGNAL TO GSM MODULE

while(analogRead(A0)<800); //HOLDING STATE UNTIL RAIN STOP

}

else if((sensorReading>500)&&(sensorReading<800)) // IT IS FOR RAINWARNING

{

Serial.println("Rain Warnigitng");

}

else if(sensorReading>800) //WHEN RAIN STOP

{

Serial.println("NotRaining");

}

delay(1000);

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*FOR GSM SIM-900 MINI\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

voidSendMessage() //SENDING SMS SIGNAL

{

mySerial.println("AT+CMGF=1"); //SELECTING SMS Text Mode

delay(1000);

mySerial.println("AT+CMGS=\"+91XXXXXXXXXX\"\r"); //PROVIDE YOUR MOBILE NUMBER

delay(1000);

mySerial.println("HELLO SIR, I AM YOUR HOUSE .IT'S RAINING OUTSIDE :)");

delay(100);

mySerial.println((char)26);

delay(1000);

}