Developing Temperature Sensor for Flood Monitoring System (IA)

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**Imaginative Abstract.** In a flood monitoring system, there are several kinds of sensor used to determine the danger of the calamity. Temperature sensor is one of the major components that are widely used for monitoring the possible rising of water in rivers. For the Flood monitoring system, the researchers will use the LM35 temperature sensor. The temperature sensor ranges from negative fifty-five degrees Celsius to One hundred fifty degrees Celsius. The temperature sensor will be place with the other components in the Flood monitoring system hardware. The sensor will be place in the arduino uno board along the five volts of bolt WIFI module. The temperature sensor will send data to arduino and convert the temperature degrees.

**Keywords:** Flood Monitoring, Alert system, LM35 temperature sensor, arduino uno

