

## **REVIEW ON LANDSLIDE DETECTION BY USING WIRELESS SENSORS & GSM**

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### **ABSTRACT**

This paper introduces analysis of landslide detection based on wireless sensor network and GSM. And also here we introduce some other methods used for detection of landslide. We are also trying to give short information about our proposed method which is implating next paper. This paper presents an independent landslide monitoring system based on wireless sensor networks and GSM. Provides real time measurement of various constraints such as amount of rainfall, moisture, and movement of land when trees and rocks are about to fell and also drive of the land as landslide occurs due to the earthquake are read by the microcontroller. The planet Earth has hundreds of impact events, with some occurrences causing both in terms of human casualty as well as economic losses. Such attitudes of earth pushed the frontiers to develop innovative monitoring strategies for the earth system. To make that real, although, will require coherent and real-time data by observing the earth behavior contiguously. Here sensors are very powerful device which used for real time monitoring. For removing such type occurrences we choose the sensor network and GSM. The sensor is a major device in electronics for measuring physical data from the environment. In the direction of the landslide prediction, sensor can play a great role, where sensor connected with wireless protocol can make it very useful for remote areas landslide mapping, detection, analysis and prediction etc. A wireless sensor network consists of spatially distributed autonomous sensors to monitor physical or environmental conditions, including temperature, sound, pressure, etc. is found be worthwhile.

**KEYWORDS:** ARM 7 LPC2138, GSM/GPRS, Landslide Monitoring, Sensor