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(57) Abstract :
A landslide detection device (100) includes a memory (102); a microprocessor (104) coupled to the memory (102); a sensor module (106) communicatively coupled to the microprocessor (104) and a plurality of sensors (204); a Global Positioning System module (GPS) (108) communicatively coupled to the microprocessor (104), the plurality of sensors (204), and a server (202); a Global System for Mobile communications module (GSM) (110) communicatively coupled to the microprocessor (104) and the server (202), wherein the microprocessor (104) is configured to collect, through the sensor module (106), data associated with an area gathered through the plurality of sensors (204), acquire, through theGPS (108), location parameters associated with the plurality of sensors (204), identify, basedon analysis of the collected data at the server (202), likelihood of a landslide like event, andtransfer, through the GSM (110), the identified likelihood of landslide like event tometeorological department.

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