

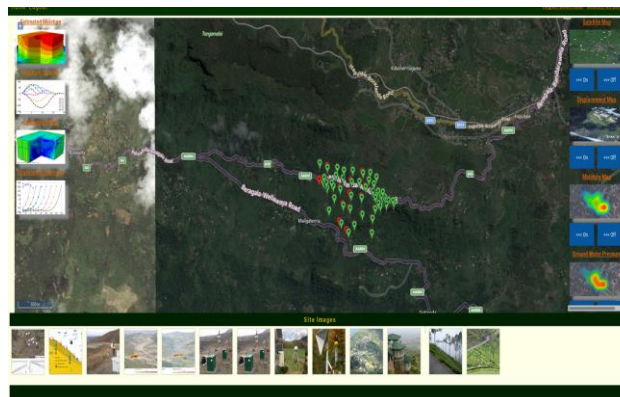


Real-time Landslide Monitoring System

IIMSOL provides an end-to-end solution assisting in real time detection and monitoring of landslides and generating automated warnings. The system is a collective of hardware and software flexible to integrate existing sensors, protocols and requires minimal human input. The company's cutting edge technology complemented with Artificial Intelligence systems ensures efficient and accurate remote landslide monitoring. IIMSOL web and mobile platforms provide state-of-the-art visualization interfaces.

IIMSOL's Technology

We have designed and developed a series of sensors, hardware and software that can accurately monitor different landslide affecting parameters, integrated ancillary data and compute the probability of landslide occurrence. Our flagship component is 'our core system' that assimilates data, uses artificial intelligence to assess the risks and issue automated warnings, accordingly.



IIMSOL-LMS platform



IIMSOL Landslide monitoring system (IIMSOL-LMS)

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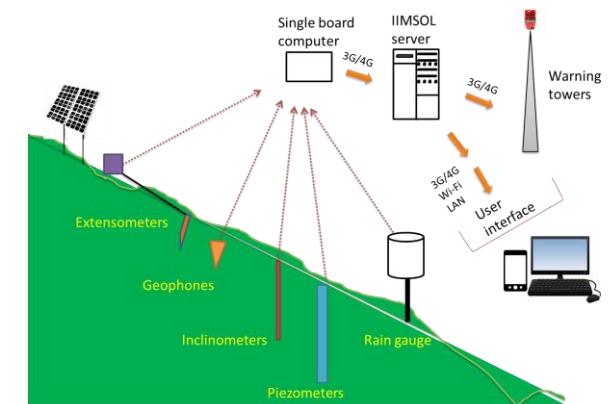
Features of the System

- A flexible decentralized plug and play system that can be integrated with any existing landslide monitoring sensors
- A complete system capable of data collection, transmission, storage, processing, analysis, visualization and issue automated landslide warnings
- Schedulable monitoring
- Decision making during disaster management phase can be fully-automated or semi-automated
- Landslide prediction using AI algorithms

Need for Real time Landslide Monitoring

Globally, landslides occur and wreak havoc causing much damage to the life and property of people. Over the last 5 years, around 30,000 people have lost their lives due to landslides across the world. Thousands have been displaced, infrastructure and properties have been damaged and some regions remain much prone to landslides. However, vacating landslide prone areas are feasible only in the event of imminent occurrence of landslides, the prediction of which cannot be precisely done with conventional instruments. Therefore, it is necessary to have real-time, continuous and remote monitoring of landslide susceptible areas so that detection, warning and mitigation strategies can be adopted ahead of catastrophic events.

IIMSOL-LMS



Highlights of IIMSOL-LMS

- Plug and play system
- Can be connected to any conventional or IIMSOL landslide monitoring sensors
- Real time detection and monitoring
- Automated landslide warnings through sms/email alerts and warning towers
- Web-based and mobile visualization platforms
- Each sensor point can cover up to 200 m radius
- Monitoring can be done even for small areas (100 m²) to larger areas (20 km² +)
- Landslide prediction using AI algorithms