

### **THEME OF WORKSHOP:**

Landslides are major issues in Himalayan region and are being frequently reported nationally and elsewhere causing loss of life and property. Several methods, technologies and approaches have been practiced in the areas of prediction, mitigation and measures to reduce the loss during such disaster. Still the severity is felt and there is a serious need of mitigation and monitoring methods.

The pre-landslide management is most important to decide on the action plan much before the calamity. Pre-management techniques involve hazard and risk assessment, hazard mapping and field investigations for assessing the Landslide possibility. Based on these preliminary assessment, mitigation methods shall be planned. The mitigation measures mostly depend on site conditions. These mitigation measures can be engineering solutions or early warning mechanism which can control the loss of life.

### **COURSE CONTENTS**

The current workshop aims in providing the know-how on the various aspects on hazard mapping, zonation, mitigation methods and early warning and monitoring systems. Case studies from local, national and international shall be discussed on these topics with hands-on-experience on warning systems. The workshop also intends to discuss various issues observed at the site from the participants.

### **Who Should Attend?**

This program is mainly intended for Civil/ Environmental/Geotechnical Engineers, Town and country planners, professionals working line departments such as public health, roads, irrigation, building constructions, etc., who are responsible for hilly area development of the state of Himachal Pradesh.

### **ARRANGEMENTS**

Working Lunch, Tea and Snacks will be provided to the participants. Based on requirement, travel arrangements shall also be made from Mandi to IIT campus in Kamand.

**Registration Fee: Nil**  
**Participants restricted to 25**

**Last Date for Registration**  
**9<sup>th</sup> October, 2017**

### **Co-ordinator**

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### **REGISTRATION FORM**



**ONE DAY WORKSHOP**  
**ON**



**Rainfall Induced Landslide –**  
**Mapping, Mitigation and Monitoring**  
**(11<sup>th</sup> Oct., 2017)**

Name : \_\_\_\_\_

Organization/Institute: \_\_\_\_\_

Designation : \_\_\_\_\_

Address : \_\_\_\_\_

Ph/Cell No. : \_\_\_\_\_

E-mail : \_\_\_\_\_

Place:

Date:

Signature of Participant

Individuals and Organizations can also send the list of participants and contacts directly on email to coordinator or on link provided at [www.iitmandi.ac.in](http://www.iitmandi.ac.in)

## LOCATION

IIT Mandi's shuttle buses ply regularly between Mandi and Kamand. On regular working days, the first bus to Kamand is at 7:00 AM, and the last bus is at 8:30 PM. The bus route starts at IIT Mandi Kamand campus and end at IIT Mandi annexure, above Bus stand, Mandi – the transit campus of IIT Mandi. Himachal Road Transport Corporation/Local buses also ply between Mandi and Kamand. Please note that these buses sometimes can be crowded. [Bus schedule](#)

## About Institute and School

Nestled in the Sivalik Range of the Himalayas, away from the bustle of the metropolis, a new abode of learning has germinated. IIT Mandi has

been established with the vision to be a leader in science and technology education, knowledge creation and innovation, in an India marching towards a just, inclusive and sustainable society.

The School of Engineering encompasses departments of mechanical, civil, aerospace, metallurgy engineering. The newly established Civil Engineering group aims to work towards sustainable living in Mountains with research more aligned towards understanding the persisting problems like Landslides, floods, earthquakes and obtaining sustainable solutions for better living in Himalayan region.

## SDMA-HP

Himachal Pradesh State Disaster Management Authority is a Govt. of India initiative as per

the Disaster Management act 2005. After which a paradigm shift has taken place at the national level from the relief centric syndrome to holistic and integrated approach with emphasis on prevention, mitigation and preparedness. The efforts are aimed to conserve developmental gains as also minimize losses to lives, livelihood and property.

## Resource Persons

**International expert:** Prof. Vikas Thakur (NTNU, Norway)

**From IIT Mandi:** Dr K V Uday, Dr Mousumi Mukherjee, Dr Varun Dutt and Dericks P Shukla (IIT Mandi)

**Industrial experts:** M/s Maccaferri India

## Recent Disasters



## ONE DAY WORKSHOP ON

**Rainfall Induced Landslide –Mapping, Mitigation  
and Monitoring  
(11<sup>th</sup> Oct., 2017)**

*Conducted By*



*and*



## ORGANIZED BY

**Himachal Pradesh State Disaster  
Management Authority (SDMA-HP)**

*and*

**School of Engineering, IIT Mandi**

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