

Introduction to Engineering Seismology

Module 6 Landslide and Tsunami hazard mapping, Concept of Risk and Vulnerability Studies and Final zonation map preparation

Learning Objectives

To learn Landslide and Tsunami hazard mapping, Seismic Vulnerability and Risk, Final zonation map preparation.

Highlights and Motivation

The following topics are discussed in this module, which is divided as a three lectures for the duration of 8 hours.

- ❖ Landslide hazard mapping
- ❖ Tsunami hazard mapping
- ❖ Seismic Vulnerability and Risk assessment
- ❖ Final zonation map preparation
- ❖ Case study of Deterministic and probabilistic hazard mapping