

# Introduction to Engineering Seismology

## Module 3 Earthquake Recording Instruments, World Great Earthquakes, Interpretation of Seismic records and Earthquake Prediction and Problems.

### Learning Objectives

To introduce the concepts of earthquake measurements, recording instruments, interpretation of earthquake data and great earthquakes in world and India

### Highlights and Motivation

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

- ❖ Earthquake recording instrumentations
- ❖ Interpretation of Seismic Records, Magnitude and Epicenter calculation
- ❖ Great earthquakes in world and India
- ❖ Seismic Networks in India
- ❖ Earthquake Prediction of Problems