

# FACULTY DEVELOPMENT PROGRAM

on

## ADVANCES IN GEOTECHNICAL EARTHQUAKE ENGINEERING

(Online Mode)



**25<sup>th</sup> May to 29<sup>th</sup> May 2023**

Organized by

**INDIAN GEOTECHNICAL SOCIETY**

Jalandhar Chapter

In association with

**DEPARTMENT OF CIVIL ENGINEERING**

Dr. B R Ambedkar NIT Jalandhar

### Patron:

Prof. B K Kanaujia,  
Director

### Chairman

Prof. A K Agnihotri

### Convenor

Dr. H S Chore

### Coordinators

Dr. S. Rupali

Dr. K. Senthil

### Topics covered:

- Introduction to Soil Dynamics
- Earthquake and Ground Vibration
- Ground Response Analysis
- Liquefaction Analysis
- Local Site Effects
- Soil Structure Interaction, Seismic-Soil-Foundation-Structure-Interaction Analysis of Nuclear Structures (Case histories)
- Analysis of Liquefaction Potential Analysis and Mitigation and Some Case Studies

### Resource Persons

**Prof. Neelima Satyam, IIT Indore**

**Prof. V A Sawant, IIT Roorkee**

**Prof. G R Dodagoudar, IIT Madras**

Who can participate: Faculty working in any institutes, INSPIRE Faculty and Research Scholars

### Registration Fee:

Faculty Members: Rs. 2000

Research Scholars: Rs 750

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### Registration Link

<https://forms.gle/ewY43Wg78zbJ6jK17>