



# 1<sup>st</sup> Webinar Series on GEOTECHNICAL EARTHQUAKE ENGINEERING (November 2021 to October 2022)

*Organized under*  
**Prof. Shamsheer Prakash Chair, IIT Roorkee**

*As a part of*  
**Diamond Jubilee Celebrations of ISET**

## About 1<sup>st</sup> WS-GEE:

The 1<sup>st</sup> Webinar Series on Geotechnical Earthquake Engineering (GEE) will be held online. A number of webinars by academicians, eminent scientists or practicing engineers of international repute will be delivered online. In last two decades, activities and requirements of GEE have increased in India due to many big infrastructure projects including high rise buildings, bridges, dams and power plants. Therefore, this webinar series will help in enhancing the knowledge of faculty, students and engineers to deal with geotechnical issues during earthquakes.

## Themes:

Geotechnical issues during earthquakes, Dynamic soil properties—measurement and evaluation, Ground response analysis—linear and nonlinear, Liquefaction of soils during earthquakes, Soil improvement for remediation of seismic hazards, Earthquake resistant design of foundations: dynamic bearing capacity, foundation alternatives, code provisions, Seismic Soil-Structure-Interaction – including pile groups, Seismic slope stability – landslides and slope failures, Seismic design of embankment and earth dams, Dynamic earth pressure and Seismic design of retaining walls, Seismic Safety of underground and Buried Structures and Pipelines, Vibrations of machine foundations, Seismic Microzonation, Geotechnical Issues including tsunami for offshore structures, Public Awareness, Outreach for GEE hazards, Early Warning Systems for Landslides and Liquefaction

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### *Extended Organizing Committee*

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### *Editors of the Proceedings (Springer)*

Prof. B.K. Maheshwari and Prof. T.G. Sitharam

*For more details:*



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