



NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH

DEPARTMENT OF CIVIL ENGINEERING

Five Day Online Faculty Development Programme on

EARTHQUAKE GEOTECHNICS

(September 22nd -26th 2020)

The Department of Civil Engineering, National Institute of Technology Andhra Pradesh is happy to announce its First Online Faculty Development Programme (FDP) in **EARTHQUAKE GEOTECHNICS**. We invite applications from motivated Faculty Members, Research Scholars and Post Graduate (PG) students in Geotechnical Earthquake Engineering and allied areas.



Chief Patron

Prof. C. S. P. Rao
Director, NIT Andhra Pradesh



Coordinator

Dr. B. Giridhar Rajesh
Assistant Professor & Head, Dept. of Civil Engineering

About the Programme

The focus of this FDP on “**EARTHQUAKE GEOTECHNICS**” is to acquaint the participants with theory, research and practice of Geotechnical Earthquake Engineering through lectures covering both fundamentals and applications. The content covers a range of topics including dynamic soil properties, ground response analyses, and seismic design of walls, slopes, piles, caisson foundations.

About the Institute

National Institute of Technology Andhra Pradesh is the 31st institution among the chain of NITs started by the Government of India. NIT Andhra Pradesh was established in the state of Andhra Pradesh in the year 2015. The institute offers B.Tech., M.Tech., M.S. (by Research) and Ph.D. Programmes in Eight Engineering Disciplines. The institute is about to launch M.Tech. Programmes across thrust engineering domains from the year 2020.

About the Department

The Civil Engineering Department offers B. Tech, M.Tech (Geotechnical Engineering), M.S (by Research) and Ph.D. Programmes. Faculty research interests include, but are not limited to the following areas: Geotechnical Earthquake Engineering, Environmental Geotechnology, Structural Health Monitoring, Water & Wastewater Treatment, GIS-based Hydrological Modelling, and Integrated Watershed Management

Who Can Attend

Faculty Members, Research Scholars and PG Students. The entry is restricted to 100 participants.

Selection Criteria & Certificate Issuance

Selection will be done on a first-come-first-serve basis. E-certificates will be issued to the participants who attend all the sessions.

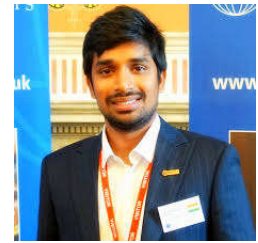
Speakers



Dr. Ashutosh Kumar
Assistant Professor, IIT Mandi



Dr. Shiv Shankar Kumar
Assistant Professor, NIT Patna



Dr. Pradeep Dammala
Assistant Professor, IIT Jodhpur



Dr. Y. Sudheer Kumar
Assistant Professor, NIT Warangal



Dr. B. Giridhar Rajesh
Assistant Professor, NIT Andhra Pradesh

Modality of the Programme

Online Webinars
through GMeet

Schedule

Date	FN (10:00 AM to 12:00 NOON)	AN (02:30 to 04:30 PM)
22-09-20	Dynamic Properties of Soils and their Methods of Evaluation Speaker: Dr. Shiv Shankar Kumar	Introduction to Cyclic Triaxial Testing Speaker: Dr. Shiv Shankar Kumar
23-09-20	Ground Response Analyses Speaker: Dr. Shiv Shankar Kumar	Case studies of Ground Response Analysis Speaker: Dr. Pradeep Kumar Dammala
24-09-20	Seismic Design of Retaining walls Speaker: Dr. B. Giridhar Rajesh	Seismic Slope Stability Analysis: Modeling using Geo-slope Speaker: Dr. Y. Sudheer Kumar
25-09-20	Liquefaction Evaluation Methods Speaker: Dr. B. Giridhar Rajesh	Simplified Seismic Analysis of Caisson Foundations for Bridges Speaker: Dr. Pradeep Kumar Dammala
26-09-20	Performance of Piles and Piled Raft Foundation under Earthquake Conditions: Theory, Research and Practice Speaker: Dr. Ashutosh Kumar	

Registration

The Registration fee is Rs. 500/- per participant for Faculty and Rs. 300/- for Research Scholars and PG Students. *Fee needs to be paid only after getting the confirmation email from the FDP coordinator.* The fee is non-refundable. Please [click here](#) for online registration.

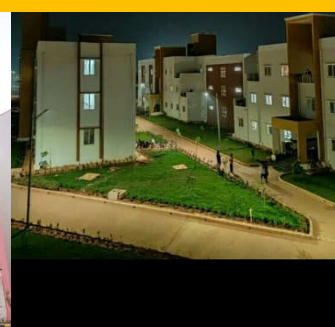
Important Dates

Registration is open until 15-09-2020 (05:00 PM) or until the maximum intake (as determined by NIT Andhra Pradesh) is met, whichever happens earlier.

Email for Communication

fdp.civil@nitandhra.ac.in

NIT Andhra Pradesh, Tadepalligudem Awarded Platinum Rating by the Indian Green Building Council (IGBC)





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Dr. Ashutosh Kumar

- [Academic Profile](#)
- [Research Profile](#)

Dr. Ashutosh Kumar is currently working as an Assistant Professor in School of Engineering at IIT Mandi. Before joining IIT Mandi, Dr. Ashutosh was working as a postdoctoral research associate at Durham University and part-time lecturer at Teesside University in the UK. His work in Durham relates to understanding the performance of transportation infrastructure with changing climatic conditions, he has also worked on investigating the causes of the collapse of UNESCO World Heritage sites in Nepal through a British Academy funded project. He obtained PhD degree from IIT Bombay and is a recipient of IIT Bombay Best PhD thesis award which was conferred by the prime minister of India. He is also a DAAD fellowship awardee from Germany. He has been awarded 2019 outstanding reviewer award from ASCE International Journal of Geomechanics. He served as a 2016 DAAD Young Ambassador for DAAD India. He has also been selected as an early-stage researcher to attend and present his research work in Researcher Link workshop that was organized in Brazil during September 2018 supported by Newton Fund of UK. During his PhD, he was also involved in the design and analysis of a foundation system for a reactor building of the proposed Nuclear Power Plant in Haryana. His research encompasses highly relevant areas of civil engineering: (1) Soil-Structure interaction (2) Engineering behaviour of unsaturated soils (3) Geotechnical Earthquake Engineering (4) Seismic performance of heritage structures. He has published over 25 papers in various Journals of International repute and various conferences and is an active reviewer of several international journals.



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Dr. Pradeep Dammala

- [Academic Profile](#)
- [Research Profile](#)

Dr. Pradeep Kumar Dammala is currently an Assistant Professor in the Civil and Infrastructure Engineering Department at IIT Jodhpur. Dr. Dammala has obtained his Ph.D. in Civil Engineering from Indian IIT Guwahati. His doctoral work was focussed on establishing soil-specific dynamic soil properties for soils sampled from active seismic regions of India. Dr. Dammala had visited the Surrey Advanced Geotechnical Engineering (SAGE) laboratory, University of Surrey, UK as a visiting research scholar through a collaborative UKIERI project. He had received the highly competitive Commonwealth Split-Site Fellowship from Commonwealth Scholarship Commission (CSC), UK to perform one year of research at the SAGE Laboratory, University of Surrey. During the visit, Dr. Dammala has gained experience in utilizing state-of-the-art laboratory element testing techniques for dynamic testing of soils. Dr. Dammala has published eight peer-reviewed articles in SCI Journals and Geotechnical Special Publications of ASCE along with three book chapters and ten national and international conference articles.



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Dr. Shiv Shankar Kumar is presently working as an Assistant Professor in the Department of Civil Engineering at NIT Patna. Dr. Shiv has obtained his M.Tech. and Ph.D. in Civil Engineering (Geotechnical Engineering specialization) from the Indian Institute of Technology Guwahati, in 2012 and 2018, respectively. He has very good Exposure to the advanced testing facilities like the Cyclic triaxial testing system, Dynamic simple shear test, Resonant column test, Shake table test, Bender element test, MASW (Multichannel Analyses of Surface Waves). His research interest includes Static/dynamic behavior of soil; Earthquake geotechnical engineering; Seismic requalification of structures; Soil-structure interaction; Site investigation & in-situ soil behavior; Reinforced soil structures. He has published 15 journal papers, 15 conference papers. Dr. Shiv is also a reviewer of several refereed journals.

Dr. Shiv Shankar Kumar

- [Academic Profile](#)
- [Research Profile](#)



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Dr. Sudheer Kumar Yamsani is currently working as an Assistant Professor in NIT Warangal. Dr. Sudheer has obtained his M.Tech. and Ph.D. from IIT Guwahati. His major research interests are Slope-stability analysis of multi-layered soils, Seepage analyses, Reinforced soil structures, Environmental Geotechnology, Ground Improvement Methods, and Machine Foundations. During his Ph.D., Dr. Sudheer has gained experience in utilizing state-of-the-art laboratory testing for dynamic testing of soils and Small scale testing of soil slopes. He has published 14 International journal papers and 18 conference papers. Dr. Sudheer is also a reviewer of several refereed journals. He has delivered expert lectures at various national level seminars and workshops.

Dr. Y. Sudheer Kumar

- [Academic Profile](#)
- [Research Profile](#)



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Dr. B. Giridhar Rajesh

- [Academic Profile](#)
- [Research Profile](#)

Dr. Giridhar Rajesh Bande is currently working as an Assistant Professor in the Department of Civil Engineering at the National Institute of Technology Andhra Pradesh. Dr. Rajesh completed his Ph.D. in Civil Engineering with Geotechnical Earthquake Engineering as a major from IIT Bombay. Dr. Rajesh holds M.Tech. Degree in Geotechnical Engineering from IIT Guwahati and B. Tech. degree in Civil Engineering. His research experience lies in the areas of Geotechnical Earthquake Engineering, Soil Dynamics, and Ground Improvement Techniques. He is a recipient of the IGS-FERROCO YGE Best paper award for the year 2016. He also received the Best Ph.D. Thesis Award for the period 2017-2019 for outstanding research contributions from the Indian Institute of Technology Bombay, Mumbai, India. He has about 8 technical papers in the reputed SCIE/Scopus cited research journals, 10 technical papers in the good refereed international and national conferences, and 2 Springer book chapters to his credit. He is an active reviewer of various international journals.