

Online e- Short Term Course on  
"Recent Advances in  
Geotechnical Engineering  
(RAGE-2021)"

1<sup>st</sup> March- 5<sup>th</sup> March 2021



Coordinators

Dr. J. S. Yadav  
Dr. Manendra Singh

Organized by



Department of Civil Engineering  
National Institute of Technology Hamirpur  
Hamirpur-177005 (H.P.)

About the Institute

National Institute of Technology Hamirpur is one of the thirty-one NITs of the country, which came into existence on 7<sup>th</sup> August 1986 as Regional Engineering College, a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh. On 26<sup>th</sup> June 2002, REC Hamirpur was awarded the status of Deemed University and upgraded to National Institute of Technology. The Institute offers Bachelor, Master and Doctoral programs in Engineering, Sciences, Architecture, Management and Humanities. Various programs serve the purpose of building a comprehensive foundation of knowledge and of enhancing confidence, creativity and innovation in its students.

About the Department

National Institute of Technology, Hamirpur was established in the year 1986 and the Civil Engineering Department is part of the institute since its inception. Civil Engineering is the branch with a lot of diversity right from structural to transportation engineering, environmental to hydrology to hydraulics engineering, geology to geo-technology to earthquake engineering. Being one of the primary Engineering Departments of the Institute, the Department of Civil Engineering offers B. Tech., M. Tech. and Ph.D. degree programs. The Department has been imparting quality education at undergraduate and postgraduate level. The faculty members have been active in teaching, research as well as academic activities.

Patron

Prof. (Dr.) Lalit Kumar Awasthi  
Director, NIT Hamirpur (H.P.)

Chairperson

Dr. R. S. Banshtu  
Head, DoCE, NIT Hamirpur (H.P.)

Convener

Prof. (Dr.) R. K. Dutta  
Professor, DoCE, NIT Hamirpur (H.P.)

Coordinators

Dr. J. S. Yadav  
Dr. Manendra Singh  
Assistant Professor, DoCE, NIT Hamirpur (H.P.)

Organizing Committee

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Prof. Raman Parti	Dr. Manendra Singh
Prof. R.K. Dutta	Dr. Ray Singh Meena
Dr. S.S. Katoch	Dr. J S Yadav
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Dr. K.Nallasivam	<u>Office Assistance</u>
Dr. Joy Pal	Sh. Hem Raj Sharma
Dr. Joseph Tripura	

## About the e-STC

The Civil Engineering department, National Institute of Technology, Hamirpur is organizing one week e-Short Term Course (e-STC), "Recent Advances in Geotechnical Engineering (RAGE-2021)" during 1st March- 5th March 2021 at NIT Hamirpur. The Civil engineering department welcomes researchers, engineers and industry professionals to an open forum where recent developments in the field of Geotechnical Engineering will be shared. The program will feature keynote lectures delivered by eminent experts from the various leading institutes and Industries. The course will be encompassing the broad topics within the realm of all domain of Geotechnical Engineering for research and professional development of engineering fraternities. The course aims to provide a platform for the faculties, students, research scholars and practicing engineers to enlighten their knowledge on the various recent aspects of Geotechnical Engineering.

## Topics to be covered

- Field challenges/Case studies in Geotechnical Engineering
- Earthquake and Land Slide Hazards
- Soil Structure interaction for critical structures
- Analysis of tunnels/underground structures
- Applications of geosynthetic
- Advances in soil stabilization
- Geotechnical Challenges in Building Projects
- Introduction to Geothermal energy pile foundation
- Capacity design of foundation: Towards performance based seismic design

## Resource Persons

Prof. N. K. Samadhiya, IIT Roorkee  
Prof. A. K. Agnihotri, NIT Jalandhar  
Prof. V. A. Sawant, IIT Roorkee  
Dr. Arvind Kumar Jha, IIT Patna  
Mr. Ravi Sundaram, Cengrs Consultancy Firm  
Dr. Ankit Garg, Shnatou University China  
Prof. Rao Martand Singh, NTNU Norway  
Prof. J. K. Sharma, RTU Kota  
Dr. Neelima Satyam, IIT Indore  
Dr. M. N. Viladkar, IIT Roorkee  
Prof. Chandra Solanki, SVNIT Surat  
Dr. Dhiraj Raj, MNIT Jaipur  
Prof. R. K. Sharma, NIT Hamirpur  
Prof. R. K. Dutta, NIT Hamirpur

## Important Dates

Last date (Online Registration): 27-02-2021

Confirmation by E-mail: 28-02-2021

e-STC Duration: 01-03-2021 to 05-03-2021

## Eligibility

This program is open to faculty members, scientists, research scholars, PG & UG Students and industrial personnel.

## e-Registration

Registration Fee: Through SBI Collect

- (a) Rs. 200 for students
- (b) Rs. 500 for participants from Academia/R&D Labs
- (c) Rs. 1000 for participants from Industry

## How to Apply

The interested candidates must deposit the nonrefundable registration fee through SBI collect with the following procedure:

- a. Go to SBI collect and choose Himachal Pradesh as the state of Institution and type of Institution as an educational institute.
- b. Choose NIT Hamirpur from Name of the Institutions and Select payment category as WORKSHOP FDP STC CONFERENCE.  
<https://www.onlinesbi.com/sbicollect/icollecthome.htm>
- c. Generate the payment slip and attach it with the registration form available at the following link.

<https://forms.gle/Tti8KGMdqHUCoAeC6>

Notes: \*Applications will be accepted on first come-first serve basis.

\*Venue: Through Google Meet. The link for the online course will be shared through email later.

## e-Certification

E-certificates will be provided to the participants, with at least 80% attendance, upon successful completion of the program.

## Contact Details

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