

Online e- Short Term Course

on

## " Geotechnics & Soil-Structure Interaction (GSSI-2023)"

*For commemorating 75<sup>th</sup> Year celebrations of Indian Geotechnical Society (IGS) in the year 2023*

**1<sup>st</sup> September - 5<sup>th</sup> September 2023**



### Coordinator

Dr. Manendra Singh

### Organized by



Department of Civil Engineering  
National Institute of Technology Hamirpur  
Hamirpur-177005 (H.P.)  
&  
Indian Geotechnical Society

### 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. Hiralal Murlidhar Suryawanshi  
Director, NIT Hamirpur (H.P.)

### Chairperson

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

### Convener

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

### Coordinator

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

### Organizing Committee

Prof. R K Sharma	<u>Secretarial Assistance</u>
Prof. Raman Parti	Mr. Jatinder Kumar
Prof. R.K. Dutta	<u>Technical Assistance</u>
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Dr. Manendra Singh	
Dr. Ray Singh Meena	
Dr. Vimal Kumar	

## About the e-STC

The Civil Engineering department, National Institute of Technology, Hamirpur is organizing one-week e-Short Term Course (e-STC), "Geotechnics & Soil-Structure Interaction (GSSI-2023)" during 1st September 2023 to 5th September 2023 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

- Landslide, Landfills
- Geosynthetics
- Soil dynamics
- Interaction of underground structures and surrounding soil
- Interaction of foundations and surrounding soil
- Kinematic and Inertial interaction
- Factors affecting soil structure interaction.
- Static or/and seismic interaction of superstructure with foundation and soil
- Influence of interaction of soil during ground improvement

## Resource Persons

Prof. Neelima Satyam, IIT Indore  
Prof. N. K. Samadhiya, IIT Roorkee  
Prof. B. K. Maheshwari, IIT Roorkee  
Prof. Priti Maheshwari, IIT Roorkee  
Prof. R. K. Sharma, NIT Hamirpur  
Prof. R. K. Dutta, NIT Hamirpur  
Prof. Ashwani Jain, NIT Kurukshetra  
Dr. Ritesh Saini, IIT Roorkee  
Dr. Sunil Khuntia, NIT Rourkela  
Dr. Rajesh Shukla, NIT Srinagar  
Dr. Krishanu Roy, University of Waikato  
Dr. J. P. Sahoo, IIT Kanpur  
Dr. Gaurav Tiwari, IIT Kanpur  
Dr. Neeraj Lohchab, Central Univ. Haryana  
Dr. Rituraj Nath, RMS India

## Important Dates

Last date (Online Registration): 28-08-2023

Confirmation by E-mail: 30-08-2023

e-STC Duration: 01-09-2023 to 05-09-2023

## 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:

- Go to SBI collect and choose Himachal Pradesh as the state of Institution and type of Institution as an educational institute.
- Choose NIT Hamirpur from Name of the Institutions and Select payment category as WORKSHOP FDP STC CONFERENCE.

<https://www.onlinesbi.com/sbicollect/icollecthome.htm>

- Generate the payment slip and attach it with the registration form available at the following link.

[https://docs.google.com/forms/d/12aYAvbWdWTtE7sQAb1KGrw-cn7kinFDwdGTyYGAPZ\\_c/edit](https://docs.google.com/forms/d/12aYAvbWdWTtE7sQAb1KGrw-cn7kinFDwdGTyYGAPZ_c/edit)

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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