

OFFLINE SHORT TERM COURSE

on

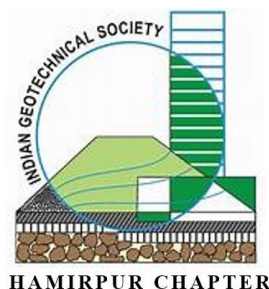
“Current Ground Improvement Practices in India: A Research & Industrial Advancement”

July 22nd - 26th, 2024



COORDINATORS

Dr. Manendra Singh
Dr. Swaraj Chowdhury
Dr. Kunjari Mog



Organized By

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

&

Indian Geotechnical Society-Hamirpur Chapter

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INTRODUCTION

This offline short term course is designed to address the critical need for updated knowledge and a practical approach to recent advancements in ground improvement techniques (GIT).

In construction, ground improvement works are often required to limit the settlement of structures, increase the stiffness of natural soils to increase its strength under different loadings. This course is a pivotal initiative, offering participants valuable insights into field practices for ground improvement works in India.

Through theoretical learning, case studies, and demonstrated simulations, this course offers a unique opportunity to enhance participants' capacity to address specific research updates and industrial advancement in the area of ground improvement practices.

OBJECTIVES

The workshop aims to:

- Provide an overview of GIT usually adopted in the field
- Deep understanding of different methods of GIT
- Familiarize participants with recent research updates and industrial advancements in soil stabilization
- Enhance public awareness about construction on low-bearing capacity soils and earthquake-prone areas.

CONTENTS

Recent Trends in GIT
GIT used in major projects in India
Expansive Soil Stabilization Techniques
Sustainable Ground Improvement Method
Liquefaction/ Landslide Mitigation

ABOUT INSTITUTE

National Institute of Technology Hamirpur, established on August 7, 1986, was initially known as Regional Engineering College. On June 26, 2002, it gained Deemed University status and was upgraded to the National Institute of Technology. Recognized as an institute of national importance by the National Institute of Technology Act 2007, it received presidential approval on June 5, 2007.

The Department of Civil Engineering is one of the oldest functioning Departments of the institute since its inception. The Department has been imparting quality education to students to meet real-world challenges while addressing social and human needs. The Department offers a spectrum of programs, including B.Tech in Civil Engineering, M.Tech in Geotechnical, Structural, Water Resources, Environment, and Transportation Engineering, as well as Ph.D. programs in various specializations.

Beyond its academic excellence, NIT Hamirpur boasts an alluring campus adorned with lush greenery, nestled against the awe-inspiring backdrop of the majestic Himalayas. The institute takes pride in its eco-friendly initiatives, offering a harmonious blend of modern infrastructure and natural beauty. Students and visitors enjoy a serene and inspiring environment conducive to academic growth and personal development.

ELIGIBILITY

This program is open to industry personnel, faculty members, scientists, research scholars, postgraduate and undergraduate students, government officials and engineers serving in state and central government.

RESOURCE PERSONS (TENTATIVE)

Prof. K. S. Rao, Emeritus Professor, IIT Delhi
Prof. Deepankar Choudhury, IIT Bombay
Prof. Neelima Satyam, IIT Indore
Dr. A. P. Singh, Director, Explore Engineering Consultants Pvt. Ltd.
Dr. Amarnath Hegde, IIT Dharwad
Dr. R. P. Shukla, NIT Srinagar
Dr. J. S. Yadav, NIT Kuruskhetra
Prof. Ravi Kumar Sharma, NIT Hamirpur
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Dr. Manendra Singh, NIT Hamirpur
Dr. Meghna Sharma, NIT Hamirpur
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IMPORTANT DATES

Last Date of Online Registration: July 09, 2024
STC Duration (Offline): July 22 - 26, 2024

REGISTRATION FEE

Registration Fee: Through SBI Collect
Students/ Research Scholars: Rs. 1000/-
Participants from Academia / R&D Labs: Rs. 2000/-
Participants from Industry: Rs. 4000/-
* Accommodation facility is available on the NIT Hamirpur campus. However, accommodation and food charges should borne by participants separately.
*Lunch may be provided by organizer.

ADDRESS FOR COMMUNICATION

Dr. Meghna Sharma / Dr. Manendra Singh
Dept. of Civil Engineering
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Hamirpur, Himachal Pradesh 177005
Email: meghnas@nith.ac.in / manendra@nith.ac.in
Mob: 9785121383/ 78955208814

HOW TO APPLY

1. To complete the registration process, interested candidates are required to fill out the Google form which is available at the following link:
<https://forms.gle/FBcTMoRQs9pgYkYC7>
2. After getting the confirmation email from the coordinator/convener, candidates are required to deposit the nonrefundable registration fee using the SBI collect platform. The steps for submitting the fee are given below:
 - a. Visit the SBI collect website and select "Himachal Pradesh" as the state of the Institution. Specify the type of Institution as an educational institute.
 - b. From the list of Institutions, opt for "NIT Hamirpur" as the Name of the Institution. Choose the payment category as "WORKSHOP FDP STC CONFERENCE."

<https://www.onlinesbi.sbi/sbicollect/>

(Note: Don't use any special character while making payment)

3. Generate the payment slip and email it to manendra@nith.ac.in.

Notes:

Applications will be accepted on a first-come, first-served basis.

Venue: Seminar Hall, Department of Civil Engineering, NIT Hamirpur.

CERTIFICATION

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