



TOPICS TO BE COVERED

- Soil Properties and its significance for Foundation Design
- Issues in Geoenvironmental Engineering
- Pile Raft Foundation - Analysis and Design
- Potential Use of Biochar in Geotechnical Engineering
- Physical Modelling of SSI in Geo-centrifuge
- Numerical Methods in Geotechnical Engineering
- Liquefaction Basics and Mitigation
- Monte Carlo Simulation Applications for Rheological modelling and tectonic history of Kaapvaal craton
- Tunnelling in the mountains: Introduction to NATM
- Rock Mechanics in India:- From Past to Present
- Petroleum related Rock Mechanics
- Application of Computational Geomechanics in SSI
- Case studies on Land Slide Analysis and Mitigation
- Application of Image Analysis in Geotechnical Engineering
- A Case study on Contiguous Pile wall for Railway Subway project with field challenges
- Advances and Applications of Geocells
- Design of Flexible Pavements
- Rock Properties: Determination and Interpretations
- Application of Diaphragm wall in Underground Constructions

About SVNIT

The institute was initially established as Regional College of Engineering & Technology in 1961 and was upgraded as a National Institute of Technology on 4th October 2002. Sardar Vallabhbhai National Institute of Technology (SV NIT) is one of the pioneering engineering institutions of the country, the Institute of National Importance, which has contributed many outstanding engineers in India and abroad. SVNIT is offering 7 UG programs, 18 PG programs, and Ph.D. program in all the disciplines of engineering and applied sciences as well as five-year Integrated M.Sc. Programs in Mathematics, Physics and Chemistry. Special attention is also given to interdisciplinary researches.

About Department of Civil Engineering

The Civil Engineering Department came into existence in the year 1961. The Civil Engineering Department is one of the founding departments of the Institute. The vision of the department is to become a global centre of excellence for creating competent Civil Engineering professionals. The department has grown tremendously over the years, especially after the conversion of the institute to an NIT, and is now one of the best Civil Engineering Departments among NITs in the country. The department has 44 qualified and dedicated faculty members with the specialization in various areas. The activities of the department are carried out under six different sections namely Environmental Engineering, Urban Planning, Water Resources Engineering, Transportation Engineering and Planning, Structural Engineering and Soil Mechanics & Foundation Engineering. The department is involved in various UG & six PG programmes and a research program leading to Ph.D. degree. Students of the department with their diversified culture/background are in the forefront of acquiring professional and technical knowledge. They conduct various technical and non-technical events under Civil Engineering Society. The students regularly receive many awards/fellowships from governmental and non-governmental agencies. The department has been a pioneer and leader to carry out testing and challenging consultancy work in the different areas of Civil Engineering.

TEQIP III sponsored Online SHORT-TERM TRAINING PROGRAM on Advances in Geotechnical Engineering (AGE - 2020) (19th – 23rd Nov, 2020)

ORGANIZED BY



DEPARTMENT OF CIVIL ENGINEERING
S.V. NATIONAL INSTITUTE OF TECHNOLOGY
SURAT – 395 007 (GUJARAT)
Website: www.svnit.ac.in

CO-ORDINATORS

Dr. C. H. SOLANKI
Dr. JITESH T. CHAVDA
Dr. SHRUTI SHUKLA
Dr. ANKESH KUMAR
Dr. SHAILENDRA KUMAR

Sponsored By



TEQIP III
Technical Education Quality Improvement
Program

AGE -2020

TEQIP III sponsored ONLINE SHORT-TERM TRAINING PROGRAM ON

Advances in Geotechnical Engineering (AGE - 2020)

S. V. NATIONAL INSTITUTE OF TECHNOLOGY, SURAT – 395 007

Name : _____
Qualifications : _____
Designation : _____
Organization : _____
Mailing Address : _____
Cell No. : _____
Office Phone No. : _____
E-mail Address : _____

Signature of applicant:

CERTIFICATE

This is to certify that _____
He/she is an employee of our institute and is permitted to attend the five-days' online training programme on “**Advances in Geotechnical Engineering (AGE - 2020)**” to be held at SVNIT, Surat during 19th-23rd Nov, 2020.

Signature of authority with official seal

NOTE: This registration form should be attached during online registration

AGE -2020

Keynote Speakers

Dr. D. N. Singh IIT, Bombay	Dr. A. Juneja IIT, Bombay
Dr. C. H. Solanki SVNIT, Surat	Dr. V. A. Sawant IIT, Roorkee
Dr. Ankit Garg Shantou University, China	Dr. K. S. Rao IIT, Delhi
Dr. Jaykumar Shukla Geodynamics	Dr. Ganesh W. Rathod PCCE, Pune
Dr. Shruti Shukla SVNIT, Surat	Dr. Ankesh Kumar SVNIT, Surat
Dr. Roberto Cudmani Technical University of Munich, Germany	Mr. Tushar Bhandari SMEC
Dr. Kaustav Chatterjee IIT, Roorkee	Mrs. Minimol Konulla Maccaferi
Dr. Jitesh T. Chavda SVNIT, Surat	Mr. Karthikeyan Karthikeyan Associates
Dr. Ratnakar Mahajan Maccaferi	Dr. Amarnath Hedge IIT, Patna
Dr. S. Kumar SVNIT, Surat	Dr. S. R. Gandhi Director, SVNIT Surat

ELIGIBILITY:

The Faculty members of the AICTE approved institutions, Research Scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions.

Student Co-Ordinator

Mr. Kritesh Chouhan, PhD Scholar
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✉ d20ce020@ced.svnit.ac.in

Mr. Srinivas Chappidi
☎ +91 9491894445
✉ d20ce023@ced.svnit.ac.in

IMPORTANT DATE:

Last Date of Registration: 18th Nov 2020.

The program will be organized through Google meet. The last date for registration is 18th November, 2020. Number of participants is limited. Selection will be as per the eligibility, and on First-Come-First-Served basis. Short listed candidates will be informed through email. However, the certificate of participation will be issued only to those candidates securing more than 80 % attendance.

The complete registration form should be sent in scan copy or soft copy and must contain the signature of the participant. Please mail the soft copy of the registration form to **Dr. Jitesh T. Chavda** at jtc@amd.svnit.ac.in

For early registration the advance copy of registration form can also be sent as an e-mail attachment to the co-ordinator.

REGISTRATION FEES:

Registration fee for the program is **Rs. 300** for research students, **Rs. 600** for faculty from academic institution and **Rs. 5000** for industry personnel and practicing engineers. Participants have to send bonafide certificate/photocopy of their valid identity card and payment details to jtc@amd.svnit.ac.in. The registration fee should be paid online mode in account of “Director SVNIT TEQIP IRG” A/C No: 0277101028663 Canara Bank, Nanpura Branch Surat, IFSC: CNRB0000277.

REGISTRATION LINK:

Registration can be done using the following link
<https://forms.gle/vb1BTp61c3j9YNqw6>



AGE -2020

SCHEDULE OF EVENT

DATE/ TIME	09:30AM – 11:00AM	11:00AM – 12:30PM	02:00PM – 03:30PM	03:30PM – 05:00PM
19th Nov, 2020 Thursday	<hr/> <p style="text-align: center;">INAUGURAL</p> <p style="text-align: center;">Dr. D. N. Singh IIT, Bombay Issues in Geoenvironmental Engineering</p>	<p style="text-align: center;">Dr. C. H. Solanki SVNIT, Surat Soil Properties and its significance for Foundation Design</p>	<p style="text-align: center;">Dr. Ankit Garg Shantou University, China Potential Use of Biochar in Geotechnical Engineering</p>	<p style="text-align: center;">Dr. Jaykumar Shukla Geodynamics Pile Raft Foundation - Analysis and Design</p>
20th Nov, 2020 Friday	<p style="text-align: center;">Dr. A. Juneja IIT, Bombay Physical Modelling of SSI in Geo-centrifuge</p>	<p style="text-align: center;">Dr. V. A. Sawant IIT, Roorkee Numerical Methods in Geotechnical Engineering</p>	<p style="text-align: center;">Dr. Shruti Shukla SVNIT, Surat Liquefaction Basics and Mitigation</p>	<p style="text-align: center;">Dr. Roberto Cudmani Technical University of Munich, Germany</p>
21st Nov, 2020 Saturday	<p style="text-align: center;">Dr. K. S. Rao IIT, Delhi Rock Mechanics in India:- From Past to Present</p>	<p style="text-align: center;">Dr. Ganesh W. Rathod PCCE, Pune Monte Carlo Simulation Applications for Rheological modelling and tectonic history of Kaapvaal craton</p>	<p style="text-align: center;">Dr. Ankesh Kumar SVNIT, Surat Petroleum related Rock Mechanics</p>	<p style="text-align: center;">Mr. Tushar Bhandari SMEC Tunnelling in the mountains: Introduction to NATM</p>
22nd Nov, 2020 Sunday	<p style="text-align: center;">Dr. Kaustav Chatterjee IIT, Roorkee Application of Computational Geomechanics in SSI</p>	<p style="text-align: center;">Mrs. Minimol Konulla Maccaferri Case studies on Land Slide Analysis and Mitigation</p>	<p style="text-align: center;">Dr. Jitesh T. Chavda SVNIT, Surat Application of Image Analysis in Geotechnical Engineering</p>	<p style="text-align: center;">Mr. Karthikeyan A Case study on Contiguous Pile wall for Railway Subway project with field challenges</p>
23rd Nov, 2020 Monday	<p style="text-align: center;">Dr. Ratnakar Mahajan Maccaferri Design of Flexible Pavements</p>	<p style="text-align: center;">Dr. Amarnath Hedge IIT, Patna Advances and Applications of Geocells</p>	<p style="text-align: center;">Dr. S. Kumar SVNIT, Surat Rock Properties: Determination and Interpretations</p>	<p style="text-align: center;">Dr. S. R. Gandhi Director, SVNIT Surat Application of Diaphragm wall in Underground Constructions</p> <hr/> <p style="text-align: center;">VELIDICTORY</p>