

REPORT

Webinar Series on

Advanced Testing Technologies for Geotechnical Investigation

Department of Civil Engineering, Jaypee University of Information Technology (JUIT) in association with Indian Geotechnical Society (IGS) Shimla Chapter organized a webinar series on “Advanced Testing Technologies for Geotechnical Investigation”. The event was inaugurated by Prof. Dr. Ashok K. Gupta, Dean (Academics & Research), JUIT and Chairman IGS Shimla Chapter. Dr. Ashish Kumar, Head of Department, Civil Engineering, JUIT welcomed all the participants and emphasized on the importance of such lectures which can reduce the industry and academia gap. Five lectures, one lecture every week, were delivered by the expert panel from Cengrs Geotechnica Pvt. Ltd. starting from 18 September 2021. The details of topics and speakers are as follows:

1. Advanced Testing Technologies – An Introduction (18 September 2021), by Mr. Ravi Sundaram – Director, Cengrs Geotechnica Pvt. Ltd.
2. Static Cone Penetration Test (25 September 2021), by Mr. Sorabh Gupta – Director, Cengrs Geotechnica Pvt. Ltd.
3. Pressure meter Tests in Geotechnical Design (01 October 2021), by Mr. Sanjay Gupta – Managing Director, Cengrs Geotechnica Pvt. Ltd.
4. Geophysical Testing for Geotechnical Analysis (10 October 2021), by Mr. Ravi Sundaram – Director, Cengrs Geotechnica Pvt. Ltd.
5. Energy measurement for SPT (16 October 2021), by Mr. Ankit Uniyal, Geotechnical Engineer, Cengrs Geotechnica Pvt. Ltd.

The event was coordinated by Mr. Neeraj Singh Parihar and Mr. Rohan Singhal, Assistant Professors, Department of Civil Engineering, JUIT. The webinar series targeted the geotechnical practitioners from academia and construction industry. An overwhelming response was received with more than 480 registrations for the event. The participants consisted of research scholars, academic experts, industrial practitioners, and students from various organizations including IITs, NITs, L&T, AFCONS, G.R. Infra, GRIMTech, AECOM, WAPCOS, TATA, DRDO, GAIL, RITES, CSIR, and many others. All the attendees took active part in discussions and a range of practical problems were discussed with the expert panel. Mr. Ravi Sundaram, Director Cengrs Geotechnica Pvt. Ltd. expressed his interest in collaborating further with JUIT. The webinar series was concluded by a vote of thanks by Prof. Dr. Ashok K. Gupta. The content of the lectures delivered, was well appreciated by the participants as highlighted by the positive feedback.

Event Photographs:

REC Sorabh Gupta is presenting

The CPT Advantage

- FAST: 2cm/sec or 1.2m/minute or 30m in just half hour!
- GRANULAR: Continuous / near continuous data
- ACCURATE: Enhanced data quality. Simpler and reliable electrical measurement of q_c with continuous readings and easy recording of results
- DEEP: CPT's can be performed to depths exceeding 100m in soft soils
- RELIABLE: Repeatable data irrespective of contractor / operator / equipment (~0.1% of full-scale output)
- MODULAR: Can be coupled with various sensors to get hydrostatic pressures, Vs, inclination, thermal resistivity, vision / cameras, etc.
- SAFE: no hammers, rotating parts etc.
- CLEAN: no drilling mud / muck
- COST-EFFECTIVE: Testing cost is not much more than cost of conventional boreholes!

15:59 | Webinar Series-Advanced Testing Technologi...

Participants: Sorabh Gupta, Jyotiprava Singh, Yashodip Wani, Sayantan Chak..., Rahul Shende, Manas Das/BP..., Marshal Geo R..., Pooja Shinde, Ravi Sundaram, sanjay verma, 144 others, You.

REC Sanjay Gupta is presenting

SHOW TASKBAR DISPLAY SETTINGS END SLIDE SHOW

0:02:07 15:45

Webinar Series on Advanced Testing Technologies for Geotechnical Investigation

- Advanced Testing Technologies - An Introduction
- Static Cone Penetration Tests
- Pressuremeter Tests in Geotechnical Design**
- Geophysical Testing for Geotechnical Analysis
- Energy Measurement for SPT

All the technologies covered will be illustrated by case studies to demonstrate the field application and the engineering benefits

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15:43 | Webinar Series-Advanced Testing Technologi...

Participants: Sanjay Gupta, Dr A P Singh, RB Singh, Sayantan Chak..., Amar Kumar, Arnav Kasar, Vikas Jain, Ravi Sundaram, Niraj Singh Pari..., Rajesh Gupta, 122 others, You.

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REC

Ashok K. Gupta

Sanjay Sundaraman

Sanjay Gupta

Rohan Singhal

m

39 others

R

You

16:41 | Webinar Series-Advanced Testing Technologies for ...

Meeting controls: Mute, Video, Hand raise, Share, More, End call

Meeting info: Info, Participants (44), Chat, Presentations

Niraj Singh Farihar

Sanjay Gupta

Ravi Sundaraman

Dr A P Singh

Scrabh Gupta

pushpendra bhardwaj has left the meeting

RB Singh ANULAB

S

100 others

R

You

15:30 | Webinar Series-Advanced Testing Technologi...

Meeting controls: Mute, Video, Hand raise, Share, More, End call

Meeting info: Info, Participants (108), Chat, Presentations