DEPARTMENT OF CIVIL ENGINEERING

Any one social media Url Link Facebook/Twitter/Instagram/Linkedln	https://www.facebook.com/share/p/1JYnjKmyD9/		
Event Title	**The Challenges Construction Projects Face Due to Soil Settlement Issues**		
Resource Person	Dr. Euring. Ir. Ts. Mohamad Shakri Mohamad Shariff Associate Professor INTI International University Malaysia		
Academic year	2025 - 2026	Quarter	IV
Program Type (Workshop / Motivation speech / Field Visit /Competition / Others)	Webinar		
Program Theme (IPR / R&D and Innovation / Start-up / Entrepreneurship / Design Thinking / Incubation& Pre – Incubation / others)	R&D and Innovation		
Start date & End Date (DD/MM/YYYY)	29/07/2025	29/07/2025	
Duration of the activity (in Mins) & Start Time & End Time	Duration: 60	Start Time: 11:00 A.M	End Time: 12:00 P.M
Participants	Students: 17	Faculty: 07	External: -
Mode of session (online / offline)	Online		
Event Organizer / Coordinator Faculty Name / Department / Designation	Dr. K. Naveenkumar Assistant Professor AVIT		
Target Participants	Students from department of Civil Engineering		
Outcome	The webinar provided valuable insights into the complexities of soil settlement and its critical impact on construction projects. Participants gained enhanced knowledge about the causes, types, and consequences of soil settlement, as well as modern techniques used in site investigation, soil stabilization, and foundation design to mitigate associated risks. The session emphasized the		

	importance of geotechnical analysis in project planning and execution, helping attendees—especially civil engineering students and professionals—develop a deeper understanding of preventive strategies and practical solutions to ensure structural integrity and safety. This enriched their technical competencies and decision-making abilities in real-world construction scenarios.
Benefits in terms of learning/skill/Knowledge obtained (150 letters only)	The webinar on *"The Challenges Construction Projects Face Due to Soil Settlement Issues"* provided participants with an in-depth understanding of the causes, effects, and mitigation techniques related to soil settlement in construction. Real-life case studies enhanced their practical knowledge and understanding of how to approach such challenges in real-world scenarios. This webinar enriched the technical competence of students and professionals alike, strengthening their ability to analyze soil behavior and apply suitable engineering solutions. It also emphasized the collaborative role of geotechnical and structural engineers in ensuring safe and sustainable construction practices.
Expenditure Amount, If any	

Report:

DEPARTMENT OF CIVIL ENGINEERING

Report on Alumni Webinar on

"The Challenges Construction Projects Face Due to Soil Settlement Issues"

The Department of Civil Engineering at Aarupadai Veedu Institute of Technology (AVIT), Vinayaka Missions Chennai Campus, successfully organized a technical webinar titled "The Challenges Construction Projects Face Due to Soil Settlement Issues" on 29th July 2025**.** The session was conducted as part of the department's initiative to enhance technical knowledge and industry-relevant skills among students and faculty.

The esteemed resource person for the session was Dr. EUR ING. Ir. Ts. Mohamad Shakri Mohmad Shariff**,** Associate Professor, INTI International University, Malaysia. Dr. Shariff

delivered an insightful presentation that explored the various causes of soil settlement, including differential settlement, consolidation, and the impact of groundwater fluctuations. He also discussed how improper site evaluation and weak soil profiles can lead to severe structural issues such as foundation cracks and tilting, potentially resulting in project delays or failures.

The event began with a warm welcome address by Mrs. S. Monisha, Assistant Professor, AVIT, who set the tone for the session. The program was meticulously coordinated by Dr. K. Naveenkumar, Assistant Professor, AVIT, whose efforts ensured smooth planning and execution. The session **was** facilitated by Dr. S. P. Sangeetha**,** Vice-Principal (Academics), AVIT, and Dr. R. Divahar**,** Professor and Head, Department of Civil Engineering, AVIT, who acknowledged the importance of such academic-industry collaborations.

Throughout the session, participants gained practical knowledge on modern ground improvement techniques such as soil compaction, preloading, geosynthetics, and deep foundation solutions. Real-world case studies helped connect theory to practical challenges in construction.

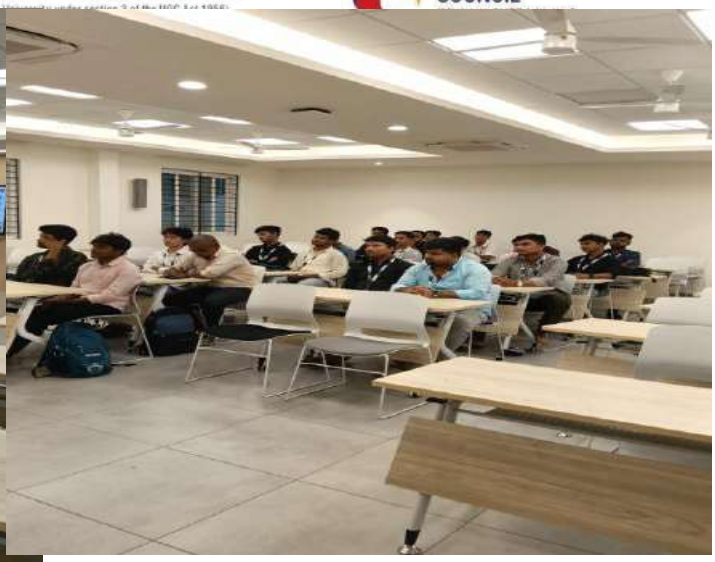
The webinar concluded with a vote of thanks by Mrs. S. Monisha**,** expressing gratitude to the guest speaker, faculty coordinators, and enthusiastic participants. The event served as an enriching platform to bridge the gap between academic learning and real-world geotechnical applications in construction.

EVENT GALLERY

AVIT

VINAYAKA MISSION'S RESEARCH FOUNDATION

INSTITUTION'S INNOVATION COUNCIL



LIST OF FACULTY PARTICIPATION

S.No	Name of the Faculty	Designation
1	Dr. S.P. Sangeetha	Professor
2	Dr. R. Divahar	Professor
3	Dr. Pa. Suriya	Assistant Professor
4	Dr. P. Subathra	Assistant Professor
5	Dr. R. Abirami	Assistant Professor
6	Dr. K. Naveen Kumar	Assistant Professor
7	Mrs. S. Monisha	Assistant Professor

LIST OF STUDENTS PARTICIPATED

S.No	Registration Number	Name of the Student
1.	3422410501	Aribam Farbiz Mahruf
2.	3422410502	Grishkumar P
3.	3422410503	Md Ifte Khan
4.	3422410504	Md Iqbal
5.	3422410506	Md Sajad Alam Khan
6.	3422410507	Nabam Daddha Hina
7.	3422410505	Nabir Ahamad Md
8.	3422310501	Kowsik S
9.	3422310502	Md Ajir Hussain
10.	3422310504	Md Helan Khan
11.	3422310505	Mohammad Rahil
12.	3422310506	Pardum Kumar
13.	3422210502	Avishek Anand
14.	3422210503	Dilip Kumar G
15.	3422210504	Kailash Kumar Kamat
16.	3422210506	Rajeev Ranjan Kumar

17.	3422320501	Sri Srinivas R

Faculty In-Charge
Dr. K. Naveen Kumar

Head – Civil Engineering
Dr. R. Divahar