

# Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur



A

Report

on

**Five-day Student Workshop** 

"Advanced Geotechnical Testing in Laboratory and Field"

held

on

01st - 05th April 2025

Organized by:

Department of Civil Engineering, SKIT M&G, Jaipur

# **Contents**

1. Workshop Approval in Department Budget	2
2. Internal Notice for Students	3
3. Student Workshop Brochure	4
4. Approval for Site Visit	5
5. Schedule	6
6. List of Participants	7
7. Attendance	8
8. Photographs of the Event	10
9. Sample Certificate	17
10. Feedback from Participants	18
11. Media Coverage	25
12. Technical Report	27
13. Objective and Outcome	30
14. Relevance to PO's and PSO's	31



## 1. Workshop Approval in Department Budget

Title of Event  Conduction  Frequency  Frequ
Offline Round the year Vyas, Nichant Sachdeva NA August 2025  Chiline September 2024 Dr. Pooja Gupta and Dr. Bharthi M. MA Field activity September 2024 Dr. Pooja Gupta and Dr. Bharthi M. MA End activity September 2024 Dr. Pooja Jain, Vikas Vyas MA Makur Michra Dr. Pooja Jain, Vikas Vyas MA Offline September 2024 Vyas & KL Jain NA Offline September 2024 Vyas & KL Jain NA Offline September 2024 Or. Pooja Jain, Vikas Vyas MA Offline Reb 2025 Dr. Pooja Gupta and Dr. Bharthi M. NA Offline Reb 2025 Dr. Pooja Jain, Vikas Vyas MA Offline Reund the year Dr. Pooja Jain, Vikas Vyas MA Offline Reund the year Dr. Pooja Jain, Vikas Vyas MA Total
Field activity September/October Course facutities of Surveying NA Spoon (offline) September/October Course facutities of Surveying NA NA Offline September 2024 Dr. Pooja Jain, Vikas Vyas NA NA Offline September 2024 Whas Vyas & Kt. Jain NA Offline September 2024 Whas Vyas & Kt. Jain NA Offline September 2024 Whas Vyas & Kt. Jain NA NA Offline September 2024 Whas Vyas & Kt. Jain NA NA Offline September 2024 Dr. Pooja Jain, Vikas Vyas NA NA NA NA Offline Rath 2025 Dr. Pooja Jain, Vikas Vyas NA NA NA NA Offline Narch 2025 Ankur Mishra Dr. Pooja Jain, Vikas Vyas NA NA NA Dr. Pooja Jain, Vikas Vyas NA NA Total Total
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Offline September 2024 Dr. Sunita Tolani, Mikas Vyas Mahaur Missers Mahaur Miline September 2025 Dr. Pooja Jani, Vikas Vyas Mahaur Miline September 2024 Vikas Vyas & KL Jain Mahau Offline September 2024 Mr. Ankur Mikra, Dr. Sunita Tolani Mahau Offline Cotober 2024 Mr. Ankur Mikra, Dr. Sunita Tolani Mahau Offline Reb 2025 Choudhary Chough Sunit Was Vyas Maharh Mahaur Miline March 2025 Ankur Mishra Dr. Pooja Jain, Vikas Vyas Mahau Mahau Offline Round the Year Offline Round the Ye
Orfline September 2025 Dr. Pooja Jann, Waza Vyas B. KL. Jain NA Orfline September 2024 Whas Vyas & KL. Jain NA Orfline October 2024 Mr. Anhur Mithra, Dr. Sunita Tolani NA Orfline October 2024 Dr. Pooja Jain, Vikas Vyas NA Chondrary Chon Offline Reach Choudhary Chon Offline March 2025 Dr. Pooja Gupta and Dr. Bharthi M. NA March 2025 Dr. Pooja Jain, Vikas Vyas NA Orfline Round the year Dr. Pooja Jain, Vikas Vyas NA Hybrid Feb 2025 Dr. Pooja Jain, Vikas Vyas NA Hybrid Feb 2025 Dr. Abhishek Jain & team Total
Offline September 2024 Whale Vasio AL Jam NA  Offline October 2024 Mr. Anhur Mishra, Dr. Sueita Tolani MA  Offline Cotober 2024 Mr. Anhur Mishra, Dr. Sueita Tolani MA  Cthon Offline Real 2025 Ch. Pooja Jam, Vikas Vyas MA  Offline March 2025 Ch. Pooja Jam, Vikas Vyas MA  Basic Offline Round the year Offline Round the year Chhistek Jain & team  Total  Hybrid Feb 2025 Cr. Abhishek Jain & team  Total
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Offline October 2024 Dr. Pooja Jain, Vikas Vyas Anderhor Offline Reb 2025 Choudhary Dr. Pooja Jain, Vikas Vyas MA NA Offline April 2025 Ankur Mishra Mas Vyas NA Hybrid Feb 2025 Dr. Pooja Jain, Vikas Vyas NA Total
And Field Offline March 2025 Choudhary  Pro Basic Offline March 2025 Ch. Poola Gupta and Or. Bharthi M. NA  Pro Basic Offline April 2025 Ch. Poola Iain, Vikas Vyes  Offline Round the year  Irybrid Feb 2025 Dr. Abhishek Jain & team  Total
and Field Offline March 2025 Or. Pooja Gupta and Or. Bharthi M. NA.  Pro Bakir Offline April 2025 Dr. Pooja Jain, Vikas Vyes NA.  Offline Round the year Or Abhishek Jain & team Total  Hybrid Feb 2025 Or Abhishek Jain & team Total
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Hybrid Feb 2025 Dr. Abhishek Jain & team Total
Hybrid Feb 2025 Dr. Abhishek Jain & team Total  Total HoD
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#### 2. Internal Notice for Students



# SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN JAIPUR-302017

#### DEPARTMENT OF CIVIL ENGINEERING

Ref. No. SKIT/CE/2024-25/172

28/03/2025

#### NOTICE

The Department of Civil Engineering is organizing a five-day student workshop on "Advanced Geotechnical Testing in Laboratory and Field" from April 01 - 05, 2025.

A maximum of 30 students can register for this workshop. Students with at least 80% attendance in the workshop will receive the certificates.

Interested students should register using the following link by tomorrow: https://forms.gle/turEcATXzrVEUaUYA

Dr. Bharathi M.

0

Co-ordinator

Dr. Pooja Gupta

Organising Secretary

Prof. D.K. Sharma

HoD



#### 3. Student Workshop Brochure

## Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur



# Department of Civil Engineering



## **Five Day Student Workshop**

OT

Advanced Geotechnical Testing in Laboratory and Field (April 01 – 05, 2025)

#### **HIGHLIGHTS**

Shear Strength Test
Standard Penetration Test
Visit to "The Jewel by Samurai Exports"

Only 30 seats. 80% attendance in the Workshop is Mandatory to receive Completion Certificate.

#### **Faculty Coordinators:**

Dr. Bharathi M. (90018 02752)

Dr. Pooja Gupta (98288 89752)

**Technical Assistant:** 

Mr. Suresh Kumar Yadav



#### 4. Approval for Site Visit



#### SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR-302017

#### DEPARTMENT OF CIVIL ENGINEERING

31.03.2025

The Principal

SKITM&G

Jaipur

Sub: Availing Bus Facility for students workshop on 02.04.2025

Respected Sir,

With due regards, we wish to inform you that a student workshop on "Advanced Geotechnical Testing in Laboratory and Field" is planned from 01.04.2025 to 05.04.2025 for B.Tech. III year Civil Engineering students.

As a part of the workshop, we have planned to conduct a site visit on 02.04.2025 where the students will be visiting "The Jewel by Samurai Exports" located at Mansarovar near Ganga Jamuna Petrol Pump, Jaipur.

For this, we require Institutes Bus Facility having a seating capacity of around 35 on 02.04.2025 from 11:30 am to 02:30 pm. The faculty members will accompany the student participants.

Thanking You.

With best regards,

Dr. Pooja Gupta Dr. Bharathi M. \

(Faculty Co-ordinators)

Kirdly may allow one

bus an 02.04.25 from 11:30 AM

to 2:30 PM.

19h 31 03 25



#### 5. Schedule



# SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN JAIPUR-302017

## DEPARTMENT OF CIVIL ENGINEERING

5 - Day Student Workshop on

# Advanced Geotechnical Testing in Laboratory and Field

#### Tentative Schedule

	April 01, 2025
11.45 to 2.45 pm	California Bearing Ratio Test
	April 02, 2025
11.45 to 2.45 pm	Site Visit to "The Jewel by Samurai Exports" a project under TeXeL Consulting Engineers Pvt. Ltd.
	April 03, 2025
11.45 to 2.45 pm	Tri-axial Test
	April 04, 2025
12.45 to 2.45 pm	Unconfined Compression Test
	April 05, 2025
09.00 to 11.00 am	Standard Penetration Test (Field Test)
11.00 to 11.30 am	Valedictory Program

U. Demot Pola



## **6. List of Participants**

S. No.	RTU Roll No.	Name of Student	Email Id	Contact Number
1	22ESKCE001	Aakib Hussain	aakibk497@gmail.com	7230057035
2	22ESKCE010	Aman Jain	b221251@skit.ac.in	9680030804
3	22ESKCE012	Aman Mishra	b220301@skit.ac.in	8290078495
4	22ESKCE024	Bhavesh Sharma	b220426@skit.ac.in	7665001234
5	22ESKCE028	Deeksha Sharma	B221496@skit.ac.in	9024020907
6	22ESKCE030	Dev Banshal	b221401@skit.ac.in	9166130065
7	22ESKCE034	Devesh Hansawat	deveshhansawat6116@gmail.com	6378881320
8	22ESKCE037	Harish Bijarniya	haribijarniya20@gmail.com	7014179001
9	22ESKCE041	Harshit Pareek	b220952@skit.ac.in	8440890998
10	22ESKCE043	Hemant Prajapat	hemant9694308430@gmail.com	9694308430
11	22ESKCE049	Kanika Verna	kanikave2@gmail.com	8273883643
12	22ESKCE053	Kaynat Ansari	b220514@skit.ac.in	8112236498
13	22ESKCE054	Kishan Lohar	b221174@skit.ac.in	7737087665
14	22ESKCE062	Mohit Sihag	mohitsihag2516@gmail.com	8905533394
15	22ESKCE067	Nupur Agarwal	b220641@skit.ac.in	8209753424
16	22ESKCE072	Priyanshu Yadav	priyanshuyadav0032@gmail.com	9672732605
17	22ESKCE074	Rahul Kumawat	b220469@skit.ac.in	9314246713
18	22ESKCE077	Ravi Prakash	raviprakash966430@gmail.com	9664302879
19	22ESKCE078	Ravindra Bairwa	b220921@skit.ac.in	7014161767
20	22ESKCE079	Rinku Pakhru	b220261@skit.ac.in	9906078940
21	22ESKCE093	Sumit Kumar Meena	b221261@skit.ac.in	9799076774
22	22ESKCE101	Vishal Meena	vishalmeena8706@gmail.com	7877632381
23	22ESKCE104	Wilson Meel	wilsonmeel171@gmail.com	7690051999
24	23ESKCE203	Lovenish Sankhla	lovenishsankhla2003@gmail.com	9785508590
25	23ESKCE206	Rajesh Jangir	rajeshhh2004@gmail.com	9783899433
26	23ESKCE207	Tushar Singh Parihar	1230006@skit.ac.in	9414655494
27	23ESKCE208	Vijay Kumar	kvijay4651@gmail.com	6005906576
28	22ESKCE004	Aditi H	aditish1805@gmail.com	9079634173
29	22ESKCE023	Azad Singh Rathore	azadsinghrathore104@gmail.com	6350013836
30	22ESKCE047	Juned Khan Langa	junedkhanlanga@gmail.com	9610173721



#### 7. Attendance



# SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR-302017

#### DEPARTMENT OF CIVIL ENGINEERING

Student Workshop "Advanced Geotechnical Testing in Laboratory and Field"

<u>Attendance</u>

S. No.	Roll No.	Name of Student	01/04/2025	02/04/2025	03/04/2025	04/04/2025	05/04/2025
1	22ESKCE001	Aakib Hussain	Awkib	Auro	AWRIG .	AURIO	Auleilo
2	22ESKCE010	Aman Jain	dman fin	danie	manfa	Anon fair	EAR -
3	22ESKCE012	Aman Mishra	CAB-	3-1मान दोना	अग्रत विशा	Distilled	अमत मिन
4	22ESKCE024	Bhavesh Sharma	Pharma	Phanace	Pheny	Pharm	Plan
5	22ESKCE028	Deeksha Sharma	Declish.	Dedung	Deel !	= A8 -	podres
6	22ESKCE030	Dev Banshal	taBonst	NG.	The Bo	ter?	- AT.
7	22ESKCE034	Devesh Hansawat	Toursh-	Devoch	Rough	Jaret	Down
8	22ESKCE035	Gourav Galav					
9	22ESKCE037	Harish Bijarniya	Harish	CAR -	HO TISK	Harish	House
10	22ESKCE041	Harshit Pareek	Horsel	Hours	Hest	Harshat	deserve
11	22ESKCE043	Hemant Prajapat	30 kg Techy	A die N	ड्रेमन्त -	हुंगान्त	हमन्त
12	22ESKCE049	Kanika Verna	Hainha .	Young.	Kanika.	Yank9	Kanika
13	22ESKCE053	Kaynat Ansari	sayind	Kayanet	Kongmat	Pari	Kamad
14	22ESKCE054	Kishan Lohar	Kish Toha	2 tidran	Kisher lobo	Kestrald	a Jishorle
15	22ESKCE062	Mohit Sihag	mulat	mobile	mehit	Delit	Meshit
16	22ESKCE066	Nikita		0,			
17	22ESKCE067	Nupur Agarwal	· Xdal	1	- What	Sidal	Vidal
18	22ESKCE072	Priyanshu Yadav	The said	boyant	- William	- July and	CAR -
19	22ESKCE074	Rahul Kumawat	Pahul	Rabut	Robert	Bant	-AK-
20	22ESKCE077	Ravi Prakash	Rauitenste	Bari Brown	RaniBak	Routh	Kan's
21	22ESKCE078	Ravindra Bairwa	Ravindro	Royindro	Ravindra	Rayndra	CAR-
22	22ESKCE079	Rinku Pakhru	Plan	Pane	Epiler	Bolls	Phylon
23	22ESKCE083	Rohan Meena	1	,	1		1
24	22ESKCE093	Sumit Kumar Meena	Munt	mis.		mit	and
25	22ESKCE101	Vishal Meena	Deshal	poral	Dusta	Dista	perta
26	22ESKCE104	Wilson Meel	Wilson	Wilson	Winny	Wilson	Wilson
27	23ESKCE203	Lovenish Sankhla	braisslike	a brainface	a for anisigness	form softwar	A St. martin
28	23ESKCE206	Rajesh Jangir	pares	PAISE	ZASES	TANEA	Dares
29	23ESKCE207	Tushar Singh Parihar	Pole	Lings	Winds.	T.	Time
	23ESKCE208	Vijay Kumar	14	J. Contra	1 1 landers	Vi land four me	Myay Lu





# SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR-302017

#### DEPARTMENT OF CIVIL ENGINEERING

S. No.	Roll No.	Name of Student	01/04/2025	02/04/2025	03/04/2025	04/04/2025	05/04/2025
31	22ESKCE023	AZAD SINGH X.	CAR->	1000	Brogn.	O Ne	Dist.
32	22ESKCE058	Mala Memo	4	Male	_	7	
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38							
39		1	,				
40				-			



#### 8. Photographs of the Event















































#### 9. Sample Certificate







# 10. Feedback from Participants

## **Feedback Form**

Student Workshop Feedback Form Workshop on "Advanced Geotechnical Testing in Laboratory and Field" April 01 to 05, 2025							
* Indicates r	equired ques	tion					
Email *	Email *  Record bharathi.m@skit.ac.in as the email to be included with my response						
by TeXeL C	ONSULTING	S ENGINEERS	S PVT LTD wa		orts" handled rovided valuabl ering.	* e	
	1	2	3	4	5		
	☆ ☆ ☆ ☆						
The experiments performed in the workshop were useful. It provided additional *valuable information and practical exposure.							
	1 2 3 4 5 \( \frac{1}{4} \) \( \frac{1}{4} \) \( \frac{1}{4} \) \( \frac{1}{4} \)						

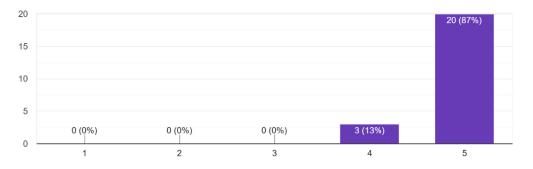


The work	shop was int	eresting/ eng	gaging. *			
	1	2	3	4	5	
	☆	☆	☆	☆	☆	
Instructor	rs were know	ledgeable ab	out the topic	*		
	1	2	3	4	5	
	$\stackrel{\wedge}{\sim}$	$\stackrel{\wedge}{\simeq}$	☆	☆	☆	
Instructor	rs'style of tea	aching was g	ood.*			
	1	2	3	4	5	
	☆	☆	☆	☆	☆	
What did	you like BES1	Γ about the w	orkshop?*			
Your answ	er					
What did you like LEAST about the workshop?*						
Your answer						
Any other	suggestions	for similar f	uture worksh	op? *		
Your answ	er					



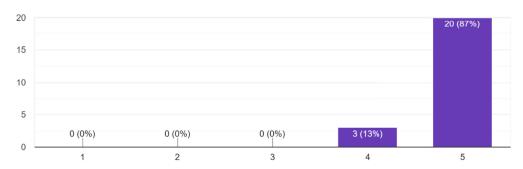
#### **Feedback Summary**

The visit to an under construction site "Jewel by Samurai Exports" handled by TeXeL CONSULTING ENGINEERS PVT LTD was useful. It provided valuable...tion about the field of Geotechnical Engineering. 23 responses



The experiments performed in the workshop were useful. It provided additional valuable information and practical exposure.

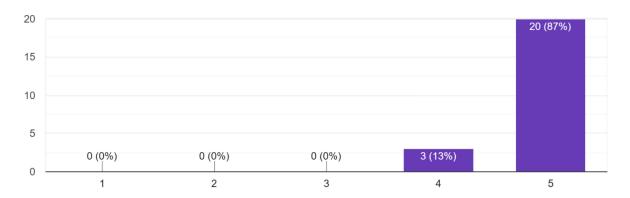
23 responses





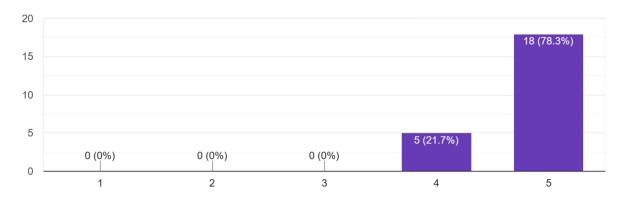
The workshop was interesting/ engaging.

23 responses



Instructors were knowledgeable about the topic.

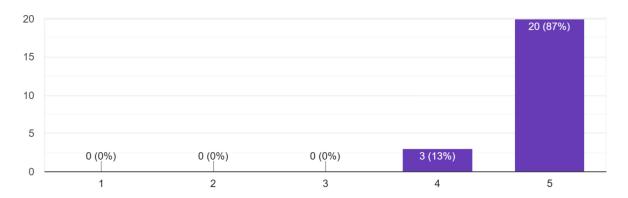
23 responses





Instructors' style of teaching was good.

23 responses



#### What did you like BEST about the workshop?

- 1. Prectical
- 2. On site visit
- 3. Spt experiment
- 4. NA
- 5. Site visit
- 6. Test
- 7. I learnt that work which our teachers not provided us before
- 8. Practical knowledge
- 9. Site visit
- 10. The best part for me was the site visit, there was a lot to know and this whole workshop definitely was engaging and informative at the same time.
- 11. Site visits, and field work.
- 12. Experimental knowledge
- 13. CBR test
- 14. Field work
- 15. Teacher's
- 16. Learning about advanced testing
- 17. CBR test
- 18. Advanced lab testing
- 19. Site visit
- 20. I really liked how interactive and hands-on the workshop was. Instead of just listening to lectures, we actually got to apply what we learned, which made the concepts clearer and more engaging



- 21. Best part was that we have performed those experiments which was don't be done while the lab was ongoing
- 22. Work done
- 23. All experiments give us good vibes

#### What did you like LEAST about the workshop?

- 1. Nothing (7)
- 2. Duration of workshop
- 3. NA (3)
- 4. Lecture
- 5. Make good experience
- 6. Nil
- 7. It was quite a good experience.
- 8. Timing
- 9. Poor use of time
- 10. nothing at all
- 11. Workshop timing (afternoon)
- 12. The only thing I liked least was that some parts felt a bit rushed. I would've appreciated a little more time to fully understand and practice certain concepts
- 13. Timing was very variable, should be more of fix time
- 14. Snacks
- 15. Allover best

#### Any other suggestions for similar future workshop?

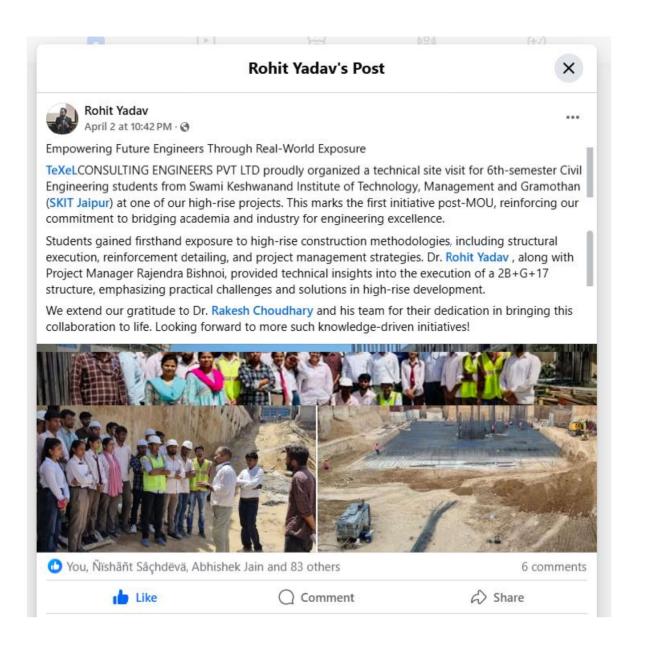
- 1. Workshop on sustainability
- 2. I would like suggest this types of workshop should happen in future
- 3. More site visit and practical on morning
- 4. In future we need more workshops like this
- 5. Increase the duration of workshop
- 6. Nil
- 7. We should have these types of workshop more frequently.
- 8. Time duration and provide relevant data day before performing.
- 9. Yes, this workshop is helpful for our knowledge increment. Must be this workshop in future
- 10. More workshop
- 11. More practical based workshop should be organised
- 12. Great workshop



- 13. Sure! Here's a thoughtful suggestion you can give for future workshops: "It would be great to include more real-life case studies or site visits related to the topic. Also, incorporating group activities or mini-projects could make the learning more practical and collaborative
- 14. Such workshop should happen often
- 15. Nothing
- 16. No (4)
- 17. NA (4)



#### 11. Media Coverage







Empowering Future Engineers Through Real-World Exposure

**TEXEL CONSULTING ENGINEERS PVT LTD** proudly organized a technical site visit for 6th-semester Civil Engineering students from <u>Swami Keshwanand Institute of Technology, Management and Gramothan</u> (SKIT) at one of our high-rise projects. This marks the first initiative post-MOU, reinforcing our commitment to bridging academia and industry for engineering excellence.

Students gained firsthand exposure to high-rise construction methodologies, including structural execution, reinforcement detailing, and project management strategies. **Dr.**Rohit Yadav, along with Project Manager Rajendra Bishnoi, provided technical insights into the execution of a 2B+G+17 structure, emphasizing practical challenges and solutions in high-rise development.

We extend our gratitude to **Dr. Rakesh Choudhary** and his team for their dedication in bringing this collaboration to life. Looking forward to more such knowledge-driven initiatives!

#StructuralEngineering #HighRiseConstruction #IndustryAcademia #CivilEngineering #TeXeLGroup #FutureEngineers



Dr. Rakesh Choudhary and 67 others

6 reposts



#### 12. Technical Report

Civil Engineering Department conducted a 5-Day Student Workshop on "Advanced Geotechnical Testing in Laboratory and Field" from April 01, 2025, to April 05, 2025. The workshop was exclusively organized for III year B.Tech. Civil Engineering students. During the workshop, the students were trained to perform laboratory and field investigations and visited an under construction site of 2B+G+17 structure "The Jewel by Samurai Exports" at Mansarover.

On Day 1, Dr. Bharathi M. and Dr. Pooja Gupta gave an introduction of the 5- days workshop. After the introduction the workshop began with the California Bearing Ratio Test. The California Bearing Ratio (CBR) test is a penetration test used to evaluate the mechanical strength of natural ground, subgrades, and base courses beneath pavements. The CBR value provides an indication of the relative strength of the soil compared to the standard material. Higher CBR values indicate stronger, more resilient soil that can support loads better without excessive deformation.

Under light compaction, the CBR (2.5 mm) = 4.98% and CBR (5.0 mm) = 7.32% was obtained and under heavy compaction, CBR (2.5 mm) = 4.44% and CBR (5.0 mm) = 8.25% was obtained.

**Day 2** The participants visited one of the high-rise projects "The Jewel by Samurai Exports" at Mansarover under TeXeL CONSULTING ENGINEERS PVT LTD. This was the first initiative post-MOU with TeXeL towards their commitment to bridging academia and industry for engineering excellence. Students gained first hand exposure to high-rise construction methodologies, including structural execution, reinforcement detailing, and project management strategies. Dr. Rohit Yadav, along with Project Manager, Rajendra Bishnoi, provided technical insights into the execution of a 2B+G+17 structure, shear walls, diaphragm walls etc., emphasizing practical challenges and solutions in high-rise development.

On Day 3, Tri-axial test was performed to determine the strength parameters c and  $\phi$  in Unconsolidated – undrained (UU) conditions.

For a confining pressure =  $100 \text{ kN/m}^2$  a deviator stress of  $288.26 \text{ kN/m}^2$  was obtained.

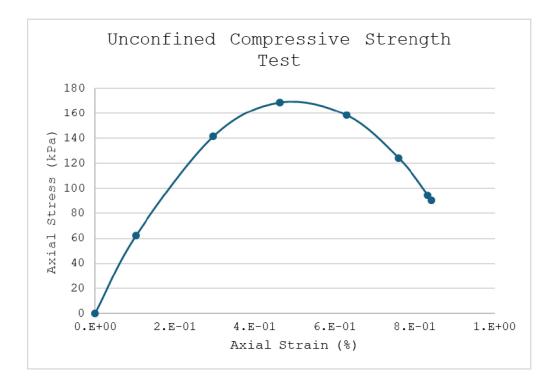


On Day 5, Standard Penetration test (SPT), an in-situ test was conducted. SPT was carried out in borehole. The resistance of the soil strata to the penetration undergone was measured. The test is extremely useful for determining the relative density and the angle of shearing resistance of cohesionless soils.

Depth (m)	Drive	No. of Blows	SPT N Value
1.0	150 mm Seating Drive	1	
	150 mm	2	
	150 mm	3	5
1.5	150 mm Seating Drive	2	
	150 mm		
	150 mm		7

SPT N value represents Very Loose or Loose sand (As per IS 2911 – Annexure C)

The 5th Day began with the description of Unconfined Compression Test conducted to determine the c values of the cohesive sample.





The unconfined compressive strength of the considered soil sample was found out to be **168.82 kPa**. The unconfined compression test was followed by the valedictory function.

In the valedictory function, Prof. D.K. Sharma, HoD, Civil Engineering Department, SKIT appreciated the interest taken by the students in the workshop and the coordinators' efforts. He also highlighted the importance of such practical experience along with the theoretical background. The certificates were distributed to all the participants, coordinators (Dr. Bharathi M. and Dr. Pooja Gupta) and the technical assistant (Mr. Suresh Kumar Yadav). The coordinators collected the feedback on the workshop from all the participants.



#### 13. Objective and Outcome

#### **Objectives**

- To provide hands on experience on few experiments to obtain important engineering properties of soil.
- To provide hands on experience on performing field test like standard penetration test (SPT) which is widely used in industry.
- To make students aware of challenges faced in construction of high-rise projects.

#### **Outcomes**

- The participants of the workshop will be able to conduct tests including tri-axial test, California bearing ratio (CBR) test and standard penetration test (SPT) which are field relevant.
- The participants will be able to perform the tests, analyze and report the findings based on the tests conducted.
- The participants visited a 2B+G+17 structure "The Jewel by Samurai Exports" at Mansarover under TeXeL CONSULTING ENGINEERS PVT LTD. This was the first initiative post-MOU with TeXeL towards their commitment to bridging academia and industry for engineering excellence. Students gained first hand exposure to high-rise construction methodologies, including structural execution, reinforcement detailing, and project management strategies. They also understood the technical insights in the construction of shear walls, diaphragm walls etc., emphasizing practical challenges and solutions in high-rise development.



## 14. Relevance to PO's and PSO's

S. No.	Name of Activity	Resource Person	Related POs and PSOs
1.	" Advanced Geotechnical Testing in Laboratory and Field "	Dr. Bharathi M and Dr. Pooja Gupta	PO (1.3.1, 1.4.1, 3.1.1, 3.1.4, 3.1.6, 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.2.1, 4.3.1, 5.1.1, 5.1.2, 5.2.2, 5.3.2, 6.1.1, 6.2.1, 12.1.1, 12.2.1, 12.2.2), PSO (1.1.1, 1.1.2, 1.1.3, 2.1.1, 2.1.2)
2.	Site visit to "The Jewel by Samurai Exports" at Mansarover	Dr. Rohit Yadav	PO (1.3.1, 1.4.1, 3.1.1, 3.1.4, 3.1.6, 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.2.1, 4.3.1, 5.1.1, 5.1.2, 5.2.1, 5.2.2, 5.3.1, 5.3.2, 6.1.1, 6.2.1), PSO (1.1.1, 1.1.2, 1.1.3, 2.1.1, 2.1.2)