

DEPARTMENT OF CIVIL ENGINEERING
V.R. SIDDHARTHA SCHOOL OF ENGINEERING
SIDDHARTHA ACADEMY OF HIGHER EDUCATION



(An Institution Deemed to be University)

(Under Section 3 of UGC Act, 1956)

Kanuru, Vijayawada – 520007, AP. www.vrsiddhartha.ac.in



Indian Concrete Institute (ICI)-Student Chapter-VRSEC -Activities AY 2025-2026

S.No	Professional Chapter	Type of Event	Date	Event Name	Participants	International/ National/State	Outcome/Impact
1	ICI-VRSEC	Workshop	05-08-2025	Workshop on “Construction of Compound Wall Through BIM and Field Validation”	32	State	The workshop provided participants with hands-on experience in BIM tools for modeling and visualizing compound wall construction. Students understood the coordination between design and on-site execution through field validation. It enhanced their technical skills, drawing interpretation, and awareness of modern digital construction practices.
2	ICI-VRSEC	Hands on Workshop	11-08-2025	Hands on Workshop: Bricklaying & Bonding	30	State	The workshop enabled students to gain practical skills in bricklaying, bonding techniques, and proper

				Techniques			masonry practices. It improved their confidence, teamwork, and ability to apply theoretical knowledge in real-time construction scenarios.
3	ICI-VRSEC	Guest Lecture	31-10-2025	Guest Lecture on "Strengthening & Rehabilitation Techniques in Concrete Structures"	142	State	The guest lecture enhanced participants' understanding of modern strengthening, rehabilitation, and retrofitting techniques in concrete structures, improving their practical knowledge for design, maintenance, and sustainable engineering applications.
4	ICI-VRSEC	Value-Added Course	09-02-2026 to 24-02-2026	Value-Added Course on "Hands-on Training in 3D Concrete Printing"	30	State	After completing the course, students will understand additive manufacturing and 3D concrete printing, including materials, mix design, equipment operation, and basic digital modeling, enabling them to apply these concepts in modern sustainable construction.



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**Workshop on “Construction of Compound Wall
Through BIM and Field Validation”**

Event Type	Workshop
Date / Duration	05-08-2025 – 2 PM to 5 PM
Resource Person	Dr.Hanuma Kasagani , Assistant Professor, CED-VRSEC
Name of Coordinator	Dr.Hanuma Kasagani , Assistant Professor, CED-VRSEC
Target Audience	4/4 B.Tech Civil -Students
Total no of Participants	32
Objective of The event	The primary objective of this workshop was to provide participants with practical exposure to the integration of Building Information Modeling (BIM) in the construction process of a compound wall. The event aimed to bridge the gap between theoretical knowledge and field application by demonstrating how BIM can be used for accurate planning, material estimation, scheduling, and visualization. Additionally, the workshop intended to enhance students' understanding of site validation techniques, ensuring that digital models align with actual field conditions. This initiative was designed to equip participants with industry-relevant skills in modern construction practices and collaborative project management.
Outcome of The-event	As a result of the workshop, participants gained hands-on experience in using BIM tools for modeling and visualizing the construction of a compound wall. They were able to observe the real-time application of their digital designs on-site, perform field validations, and understand the importance of coordination between design and execution teams. The workshop successfully enhanced the participants' technical competencies in BIM, improved their ability to interpret and validate construction drawings, and fostered practical skills essential for future professional roles in the construction industry. Furthermore, it instilled a deeper awareness of precision, resource optimization, and digital construction workflows.
Feedback / Suggestions	Workshop was highly beneficial in connecting theoretical knowledge with practical field applications, and participants expressed interest in attending more such BIM-integrated construction workshops in the future.

Photos

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Department of
Civil Engineering

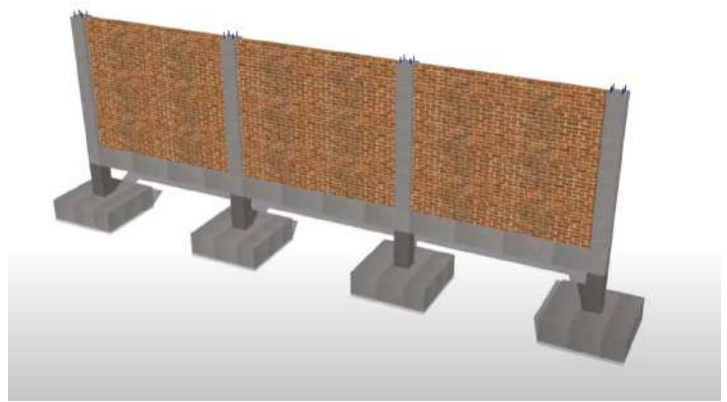
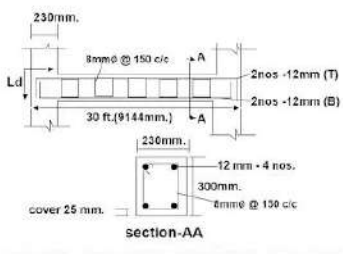
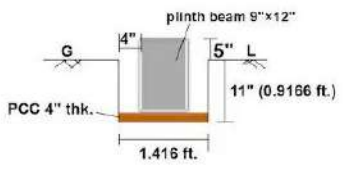
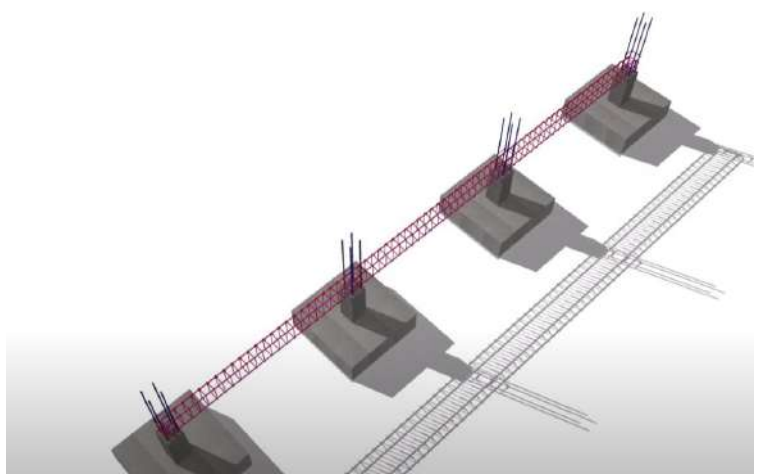
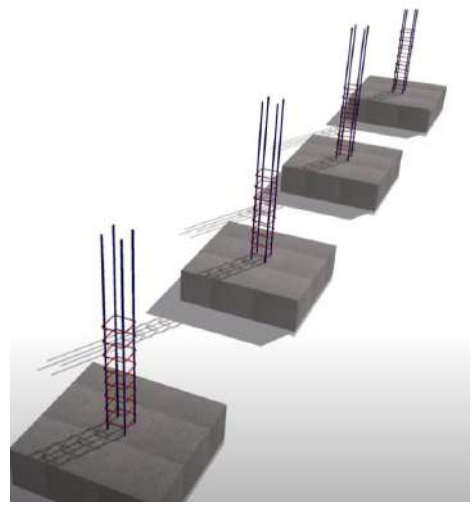
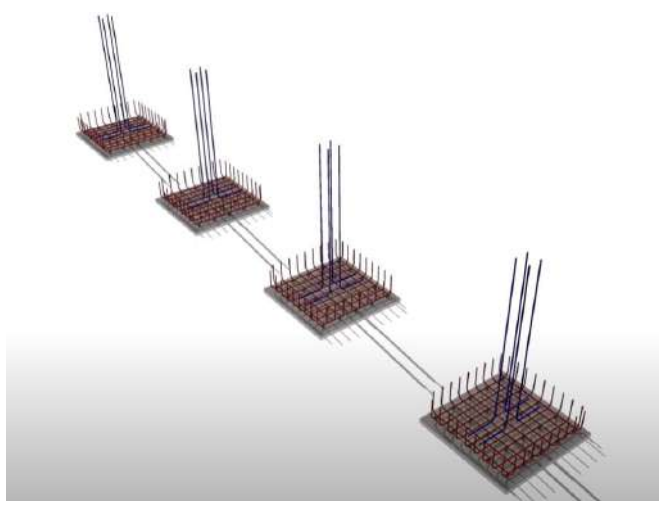
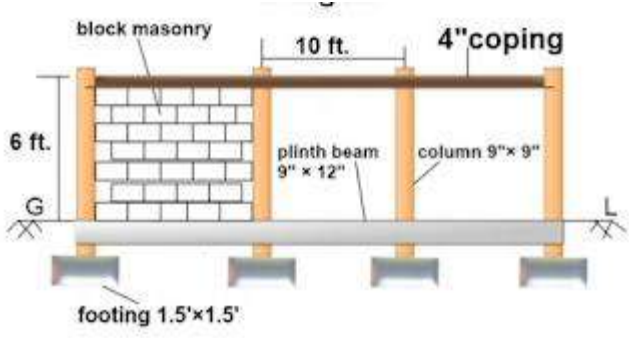
Workshop on
“Construction of Compound Wall
Through
BIM and Field Validation”

Date: 05-08-2025
Time : 2 PM to 5PM

Organised by
ICI VRSEC Student Chapter

Dr. K. Hanuma
Coordinator,
ICI-VRSEC-Student-Chapter

Dr. V. Mallikarjuna,
HOD-Civil Engineering



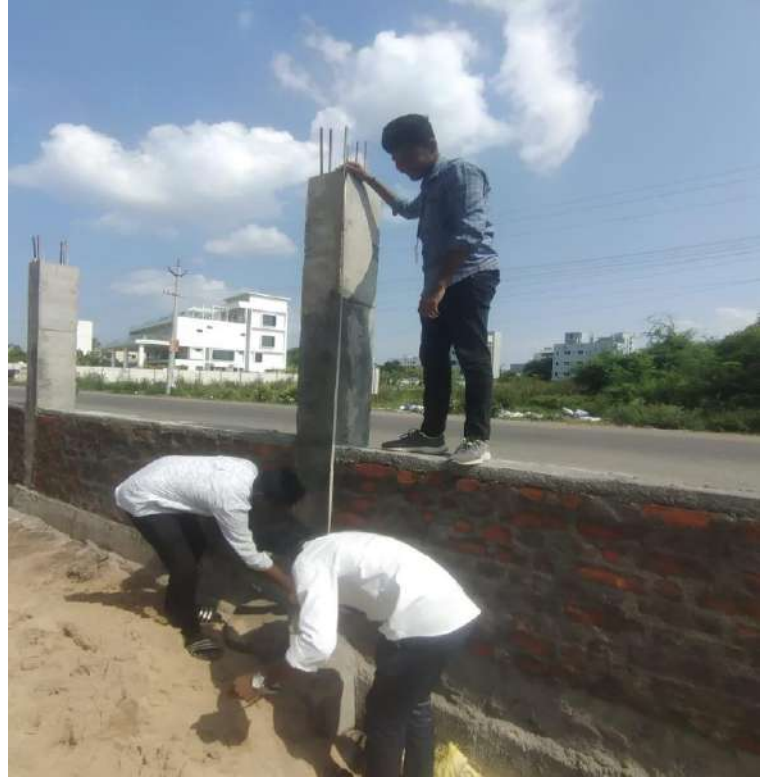


Vijayawada, Andhra Pradesh, India
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India
Lat 16.484502° Long 80.694912°
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Vijayawada, Andhra Pradesh, India
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520007, India
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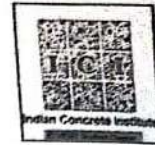




Attendance:



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Attendance Sheet for
Workshop on "Construction of Compound Wall
Through BIM and Field Validation"

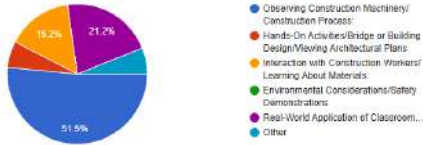
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1	228W1A0136	P. Jayanth	P. Jayanth
2	228W1A0112	D. Omprakash	D. Omprakash
3	228W1A0113	A. Anjan Vardhan	A. Anjan Vardhan
4	228W1A0127	M. P. Raveen	M. P. Raveen
5	228W1A0124	L. Lakshmi Sravanth	L. Lakshmi Sravanth
6	228W1A0146	S. Anupama	S. Anupama
7	228W1A0106	B. Vyakruti	B. Vyakruti
8	238W5A0106	G. Sai Tarun	G. Sai Tarun
9	238W5A0117	Shak. Sirajuddin	Shak. Sirajuddin
10	238W1A0107	B. Santhosh	B. Santhosh
11	238W5A0114	Md. Ab. Rauf	Md. Ab. Rauf
12	228W1A0129	M. Ravindra	M. Ravindra
13	238W5A0104	B. Mahadev	B. Mahadev
14	238W5A0105	Ch. Sai Lokeshwar	Ch. Sai Lokeshwar
15	228W1A0105	B. Ganesh	B. Ganesh
16	228W1A0149	T. Yogeswar	T. Yogeswar
17	228W1A0138	P. Anil	P. Anil
18	228W5A0108	S. Sai Suresh	S. Sai Suresh
19	238W5A0113	J. Eswari Sagar	J. Eswari Sagar
20	228W1A0132	N. Vijay Sagar	N. Vijay Sagar
21	228W1A0150	U. Vivek	U. Vivek
22	228W1A0145	S. Venkatesh	S. Venkatesh
23	228W1A0109	Ch. Subhash Pal	Ch. Subhash Pal
24	228W1A0130	M. Krishnakumari	M. Krishnakumari
25	238W5A0111	Md. Chandini Sulthana	Md. Chandini Sulthana
26	228W1A0102	A. Lavanya	A. Lavanya
27	238W5A0101	A. Deepthi	A. Deepthi
28	228W1A0133	P. Naga Sandhya	P. Naga Sandhya
29	228W1A0143	Sk. Samidhan	Sk. Samidhan
30	228W1A0128	M. Gayathri	M. Gayathri
31	228W1A0111	D. Niharika	D. Niharika
32	228W1A0153	Y. Pallavi	Y. Pallavi
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36			

Feedback

What aspects of the Workshop did you find most interesting and enjoyable?

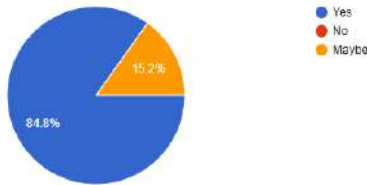
33 responses

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Do you believe the knowledge gained will be beneficial in your academic or professional journey?

33 responses



Did you have the opportunity to interact with construction professionals or ask questions?

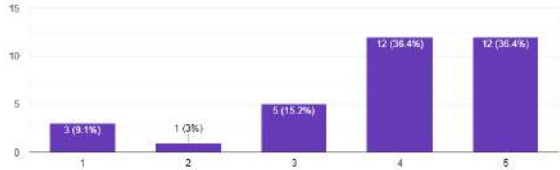
33 responses



Did the field trip meet your expectations in terms of educational value?

33 responses

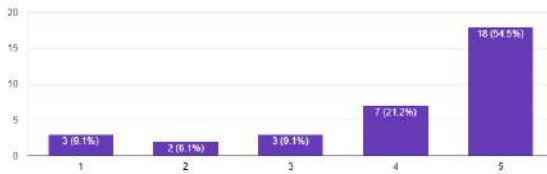
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Did you feel safe during the Workshop? Were safety measures adequately addressed?

33 responses

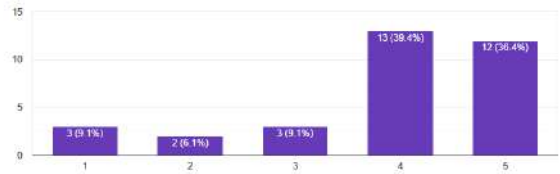
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How do you think this Workshop relates to your current coursework or future career goals?

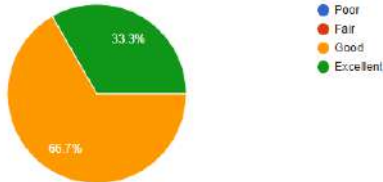
33 responses

[Copy chart](#)



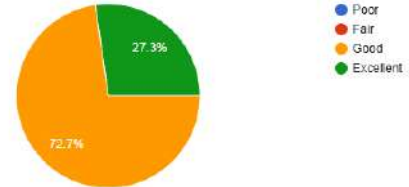
How would you rate your overall experience during the Workshop?

33 responses



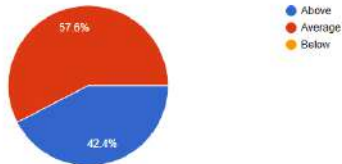
How would you rate the organization and logistics of the visit?

33 responses



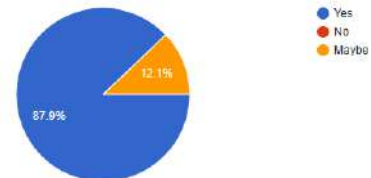
Was the workshop above or below your current skill level?

33 responses



Would you recommend this workshop to other students in your program?

33 responses



Dr. Hanuma Kasagani
Coordinator
ICI-VRSEC-Student-Chapter

Dr. V. Mallikarjuna
HoD-Civil Engineering



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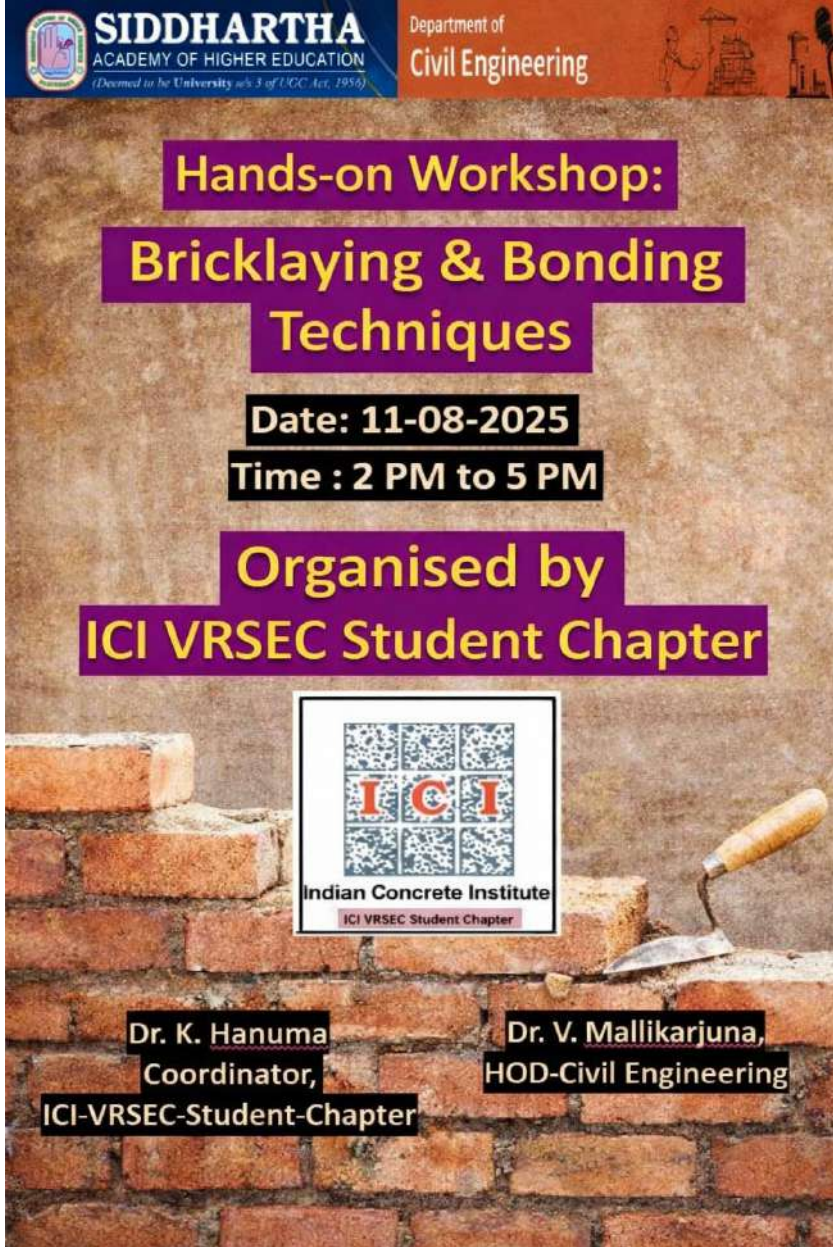
Kanuru, Vijayawada – 520007, AP. www.vrsiddhartha.ac.in



Hands on Workshop: Bricklaying & Bonding Techniques

Event Type	Workshop
Date / Duration	11-08-2025 – 2 PM to 5 PM
Resource Person	Dr.Hanuma Kasagani , Assistant Professor, CED-VRSEC Dr. P. S. R. Teja , Assistant Professor, CED-VRSEC
Name of Coordinator	Dr.Hanuma Kasagani , Assistant Professor, CED-VRSEC
Target Audience	1/4 B.Tech Civil -Students
Total no of Participants	30
Objective of The event	The objective of the Hands-on Workshop: Bricklaying & Bonding Techniques is to provide students with practical exposure to fundamental masonry skills used in construction. The workshop aims to help students understand different types of brick bonds, their applications, and the importance of proper alignment, leveling, and mortar usage. Through direct participation, students will develop basic hands-on skills in bricklaying, enhance their understanding of construction practices, and bridge the gap between theoretical knowledge and real-world execution. The event also encourages teamwork, precision, and adherence to standard construction practices, preparing students for professional site conditions.
Outcome of The-event	The outcome of the Hands-on Workshop: Bricklaying & Bonding Techniques is that students gain practical skills in laying bricks and understanding various bonding patterns used in construction. They develop the ability to apply correct mortar techniques, maintain proper alignment and leveling, and follow standard masonry practices. The workshop enhances their confidence in handling real-time construction activities, improves teamwork and coordination, and strengthens their ability to connect theoretical concepts with field applications. Overall, students become better prepared for on-site execution and professional engineering practices.
Feedback / Suggestions	Workshop was highly beneficial in connecting theoretical knowledge with practical field applications, and participants expressed interest in attending more such BIM-integrated construction workshops in the future.

Photos

The poster features a background of a brick wall with a trowel resting on a brick. At the top left is the logo of Siddhartha Academy of Higher Education, which includes a circular emblem with a book and a lamp. To the right of the logo, the text reads 'SIDDHARTHA ACADEMY OF HIGHER EDUCATION (Deemed to be University vide 3 of UGC Act, 1956)'. Further right, it says 'Department of Civil Engineering' with a small illustration of a person working with a trowel. The main title 'Hands-on Workshop: Bricklaying & Bonding Techniques' is centered in yellow text on purple rectangular backgrounds. Below the title, the date 'Date: 11-08-2025' and time 'Time : 2 PM to 5 PM' are shown in white text on black rectangular backgrounds. The organizer 'Organised by ICI VRSEC Student Chapter' is also in yellow text on purple backgrounds. In the center, there is a logo for the Indian Concrete Institute (ICI) VRSEC Student Chapter, which consists of a square grid with 'ICI' in the center and 'Indian Concrete Institute' and 'ICI VRSEC Student Chapter' written below it. At the bottom, the names and titles of the coordinators are listed in white text on black rectangular backgrounds: 'Dr. K. Hanuma, Coordinator, ICI-VRSEC-Student-Chapter' on the left and 'Dr. V. Mallikarjuna, HOD-Civil Engineering' on the right.

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Department of
Civil Engineering

**Hands-on Workshop:
Bricklaying & Bonding
Techniques**

**Date: 11-08-2025
Time : 2 PM to 5 PM**

**Organised by
ICI VRSEC Student Chapter**



**Dr. K. Hanuma
Coordinator,
ICI-VRSEC-Student-Chapter**

**Dr. V. Mallikarjuna,
HOD-Civil Engineering**



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Attendance:



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Attendance Sheet for

Hands on Workshop: Bricklaying & Bonding Techniques

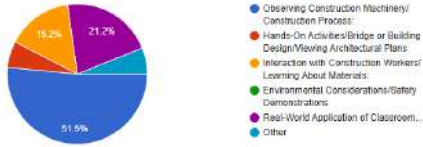
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2	25EU03001	ANDRAJU SUNEETHA	Andraju Sunee
3	25EU03002	AREPALLI VENKATA SOBHAN	Sobhan
4	25EU03003	BANDLAMUDI GRISHMANTH SAI	Sai
5	25EU03004	BOMMAREDDY MANOJ KUMAR REDDY	Kumar
6	25EU03005	CHALLA PUNEETH	Puneetha
7	25EU03006	CHENGALASETTY PAVAN SAI RAMAKRISHNA	Pavan
8	25EU03007	CHENNUPATI LIKITH	Likitha
9	25EU03008	CHERUKUMALLI YUGANDHAR SAI SUHAS	Suhas
10	25EU03009	CHILAKALAPUDI MADHU KUMARI	Kumar
11	25EU03010	CHITTELA NITHIN REDDY	Chitela
12	25EU03011	COPPISETTI TANIA	Tania
13	25EU03012	DASARI NAMRATH VENKAT	Namrath Venkat
14	25EU03013	DAVIRI MORIES SANJVAL	Mories
15	25EU03014	DEVARAKONDA KARTHIKEYA	RK
16	25EU03015	GANGISETTY SRIPADH	Sripadh
17	25EU03016	GORIPARTHI SAI CHAITANYA	Chaitanya
18	25EU03017	GUMMALLA LAKSHMAN TEJA	Teja
19	25EU03018	GUVVALA PUJITHA	Pujitha
20	25EU03019	JAADA SIVA SAI VENKATA SRIRAM	Sriram
21	25EU03020	JETTIBOYINA LIKHITHA	Likhitha
22	25EU03021	KAGITHA FRANCIS	Francis
23	25EU03022	KAKARLA SANDEEP CHOWDARY	Sandeep
24	25EU03023	KANAJAM NAVADEEP	Navadeep
25	25EU03024	KANUKOLLU SRI SURYA BHASKAR	Bhaskar
26	25EU03025	KARI ABHISHEK	Abhishek
27	25EU03026	KARNATI MADHAN VENKATA TEJA	Teja
28	25EU03027	KATURI SANDEEP KUMAR	Sandeep Kumar
29	25EU03028	KAVURI LIKHITH SAI	Sai
30	25EU03029	KOLLI DEVI PRIYA	Priya

Feedback

What aspects of the Workshop did you find most interesting and enjoyable?

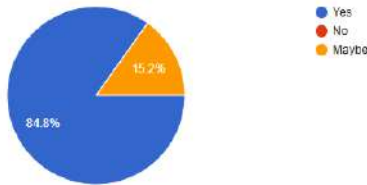
33 responses

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Do you believe the knowledge gained will be beneficial in your academic or professional journey?

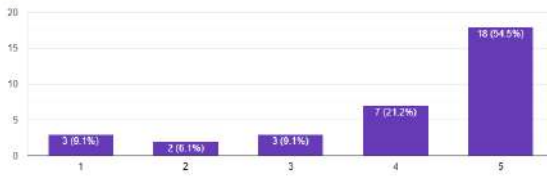
33 responses



Did you feel safe during the Workshop? Were safety measures adequately addressed?

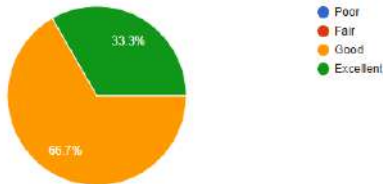
33 responses

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How would you rate your overall experience during the Workshop?

33 responses



Was the workshop above or below your current skill level?

33 responses



Did you have the opportunity to interact with construction professionals or ask questions?

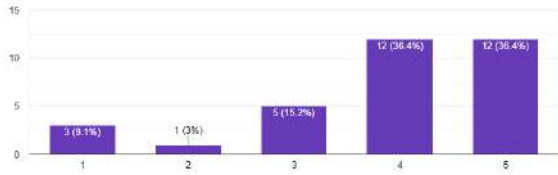
33 responses



Did the field trip meet your expectations in terms of educational value?

33 responses

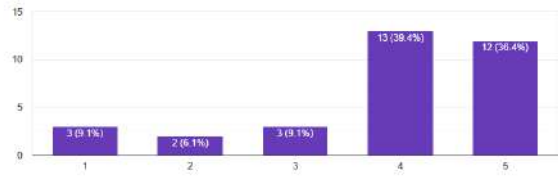
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How do you think this Workshop relates to your current coursework or future career goals?

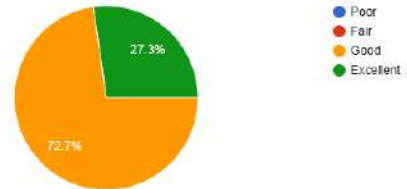
33 responses

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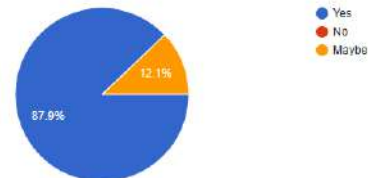
How would you rate the organization and logistics of the visit?

33 responses



Would you recommend this workshop to other students in your program?

33 responses



Dr. Hanuma Kasagani
Coordinator
ICI-VRSEC-Student-Chapter

Dr. V. Mallikarjuna
HoD-Civil Engineering



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Guest Lecture on “Strengthening & Rehabilitation Techniques in Concrete Structures”

Event Type	Guest Lecture
Date / Duration	31-10-2025 – 11:30 AM to 1 PM
Resource Person	Ms. Aishwarya Gupta , Sr. Project Engineer NVLN Constructions Pvt. Ltd, Hyderabad
Name of Coordinator	Dr.Hanuma Kasagani , Assistant Professor, CED-VRSEC
Target Audience	3/4 & 4/4 B.Tech Civil -Students & M.Tech Structures Students
Total no of Participants	142
Objective of The event	The objective of the Guest Lecture on “Strengthening & Rehabilitation Techniques in Concrete Structures” is to enhance the knowledge of students, research scholars, and faculty members on modern methods and practical approaches used in restoring, retrofitting, and extending the service life of concrete structures. The session aims to provide insights into innovative materials, advanced technologies, and best practices adopted in the repair and rehabilitation of damaged or deteriorated structures, thereby bridging the gap between theoretical understanding and field applications in structural engineering.
Outcome of The-event	The outcome of the Guest Lecture on “Strengthening & Rehabilitation Techniques in Concrete Structures” is that participants gained a comprehensive understanding of various structural repair, strengthening, and retrofitting methods used in modern construction practices. They became familiar with advanced materials, techniques, and case studies related to concrete rehabilitation, enabling them to apply this knowledge in design, analysis, and maintenance of durable structures. The session also enhanced their practical perspective and encouraged further research and innovation in sustainable structural rehabilitation.
Feedback / Suggestions	The session was highly informative and well-presented, offering valuable insights into modern strengthening and rehabilitation techniques. Participants suggested organizing more such expert lectures and hands-on workshops to gain practical exposure to advanced structural repair methods.

Photos

Golden Jubilee Year of Siddhartha Academy of General & Technical Education, Vijayawada

DEPARTMENT OF CIVIL ENGINEERING

Guest Lecture
on

**Strengthening & Rehabilitation
Techniques in Concrete Structures**

Hearty Welcome to



Ms. Aishwarya Gupta
Sr. Project Engineer,
NVLN Constructions Pvt. Ltd.
Hyderabad

Date: 31st October, 2025 Venue: CE Seminar Hall

VELAGAPUDI RAMAKRISHNA SIDDHARTHA SCHOOL OF ENGINEERING
SIDDHARTHA
ACADEMY OF HIGHER EDUCATION
An Institution DEEMED TO BE UNIVERSITY
(Under Section 3 of UGC Act, 1956)
(Sponsored by Siddhartha Academy of General & Technical Education, Vijayawada, A.P.)



Attendance:



DEPARTMENT OF CIVIL ENGINEERING
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Attendance Sheet for Guest Lecture on "Strengthening & Rehabilitation Techniques in Concrete Structures"

S.No	Roll No	Name	Signature
1	228W1A0101	V.S.R. Suman Sunden	V.Suman
2	228W1A0102	A. Madhavesh	Subramanian
3	228W1A0103	D. Anirudh	D. Anirudh
4	228W1A0104	G. Prakash	G. Prakash
5	228W1A0105	B. Sankar	B. Sankar
6	228W1A0106	T. Mohan Vijayala	T. Mohan Vijayala
7	228W1A0107	G. Arjun Varadhan	G. Arjun Varadhan
8	228W1A0108	N. Mani	N. Mani
9	228W1A0109	M. Raju	M. Raju
10	228W1A0110	G. Harith	G. Harith
11	228W1A0111	P. Anand	P. Anand
12	228W1A0112	D. Anand Prasad	D. Anand Prasad
13	228W1A0113	S. Jeyaraj	S. Jeyaraj
14	228W1A0114	A. Anand	A. Anand
15	228W1A0115	P. Anand	P. Anand
16	228W1A0116	V. Anand	V. Anand
17	228W1A0117	S. Anand	S. Anand
18	228W1A0118	G. Anand	G. Anand
19	228W1A0119	R. Anand	R. Anand
20	228W1A0120	K. Anand	K. Anand
21	228W1A0121	P. Anand	P. Anand
22	228W1A0122	N. Anand	N. Anand
23	228W1A0123	G. Anand	G. Anand
24	228W1A0124	M. Anand	M. Anand
25	228W1A0125	M. Anand	M. Anand
26	228W1A0126	G. Anand	G. Anand
27	228W1A0127	B. Anand	B. Anand
28	228W1A0128	R. Anand	R. Anand
29	228W1A0129	B. Anand	B. Anand
30	228W1A0130	K. Anand	K. Anand
31	228W1A0131	P. Anand	P. Anand
32	228W1A0132	G. Anand	G. Anand
33	228W1A0133	M. Anand	M. Anand
34	228W1A0134	S. Anand	S. Anand
35	228W1A0135	D. Anand	D. Anand
36	228W1A0136	K. Anand	K. Anand

Attendance Sheet for Guest Lecture on "Strengthening & Rehabilitation Techniques in Concrete Structures"

S.No	Roll No	Name	Signature
1	228W1A0110	D. Teja Lakshmi Kundu	D. Teja Lakshmi Kundu
2	228W1A0111	G. Manoj	G. Manoj
3	228W1A0112	V. Anand	V. Anand
4	228W1A0113	R. Anand	R. Anand
5	228W1A0114	K. Anand	K. Anand
6	228W1A0115	P. Anand	P. Anand
7	228W1A0116	A. Anand	A. Anand
8	228W1A0117	K. Anand	K. Anand
9	228W1A0118	E. Anand	E. Anand
10	228W1A0119	K. Anand	K. Anand
11	228W1A0120	P. Anand	P. Anand
12	228W1A0121	M. Anand	M. Anand
13	228W1A0122	M. Anand	M. Anand
14	228W1A0123	P. Anand	P. Anand
15	228W1A0124	M. Anand	M. Anand
16	228W1A0125	P. Anand	P. Anand
17	228W1A0126	S. Anand	S. Anand
18	228W1A0127	P. Anand	P. Anand
19	228W1A0128	D. Anand	D. Anand
20	228W1A0129	H. Anand	H. Anand
21	228W1A0130	P. Anand	P. Anand
22	228W1A0131	P. Anand	P. Anand
23	228W1A0132	N. Anand	N. Anand
24	228W1A0133	P. Anand	P. Anand
25	228W1A0134	A. Anand	A. Anand
26	228W1A0135	T. Anand	T. Anand
27	228W1A0136	V. Anand	V. Anand
28	228W1A0137	A. Anand	A. Anand
29	228W1A0138	J. Anand	J. Anand
30	228W1A0139	U. Anand	U. Anand
31	228W1A0140	V. Anand	V. Anand
32	228W1A0141	G. Anand	G. Anand
33	228W1A0142	A. Anand	A. Anand
34	228W1A0143	T. Anand	T. Anand
35	228W1A0144	P. Anand	P. Anand
36	228W1A0145	P. Anand	P. Anand



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Attendance Sheet for Guest Lecture on "Strengthening & Rehabilitation Techniques in Concrete Structures"

S.No	Roll No	Name	Signature
1	228W1A0160	G. Poojari	G. Poojari
2	228W1A0161	V. Vijaya Lakshmi	V. Vijaya Lakshmi
3	228W1A0162	V. Durga Akshaya	V. Akshaya
4	228W1A0163	K. Lakshmi	K. Lakshmi
5	228W1A0164	A. Gowri Sivali	A. Gowri Sivali
6	228W1A0165	G. Anand	G. Anand
7	228W1A0166	D. Anand	D. Anand
8	228W1A0167	L. Anand	L. Anand
9	228W1A0168	R. Anand	R. Anand
10	228W1A0169	B. Anand	B. Anand
11	228W1A0170	V. Anand	V. Anand
12	228W1A0171	P. Anand	P. Anand
13	228W1A0172	S. Anand	S. Anand
14	228W1A0173	V. Anand	V. Anand
15	228W1A0174	P. Anand	P. Anand
16	228W1A0175	G. Anand	G. Anand
17	228W1A0176	G. Anand	G. Anand
18	228W1A0177	S. Anand	S. Anand
19	228W1A0178	T. Anand	T. Anand
20	228W1A0179	N. Anand	N. Anand
21	228W1A0180	R. Anand	R. Anand
22	228W1A0181	T. Anand	T. Anand
23	228W1A0182	R. Anand	R. Anand
24	228W1A0183	T. Anand	T. Anand
25	228W1A0184	K. Anand	K. Anand
26	228W1A0185	V. Anand	V. Anand
27	228W1A0186	R. Anand	R. Anand
28	228W1A0187	T. Anand	T. Anand
29	228W1A0188	C. Anand	C. Anand
30	228W1A0189	E. Anand	E. Anand
31	228W1A0190	B. Anand	B. Anand
32	228W1A0191	V. Anand	V. Anand
33	228W1A0192	V. Anand	V. Anand
34	228W1A0193	A. Anand	A. Anand
35	228W1A0194	V. Sri Lakshmi	V. Sri Lakshmi

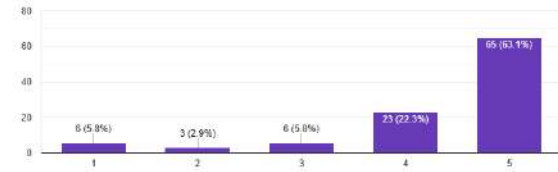
Attendance Sheet for Guest Lecture on "Strengthening & Rehabilitation Techniques in Concrete Structures"

S.No	Roll No	Name	Signature
1	228W1A0120	K. Prasad	K. Prasad
2	228W1A0121	N. J. Sagar	N. J. Sagar
3	228W1A0122	G. Prasad Kumar	G. Prasad Kumar
4	228W1A0123	P. Anand	P. Anand
5	228W1A0124	V. Anand	V. Anand
6	228W1A0125	A. Anand	A. Anand
7	228W1A0126	P. Anand	P. Anand
8	228W1A0127	P. Anand	P. Anand
9	228W1A0128	V. Anand	V. Anand
10	228W1A0129	K. Anand	K. Anand
11	228W1A0130	S. Anand	S. Anand
12	228W1A0131	T. Anand	T. Anand
13	228W1A0132	R. Anand	R. Anand
14	228W1A0133	V. Anand	V. Anand
15	228W1A0134	N. Anand	N. Anand
16	228W1A0135	D. Anand	D. Anand
17	228W1A0136	T. Anand	T. Anand
18	228W1A0137	H. Anand	H. Anand
19	228W1A0138	C. Anand	C. Anand
20	228W1A0139	K. Anand	K. Anand
21	228W1A0140	K. Anand	K. Anand
22	228W1A0141	D. Anand	D. Anand
23	228W1A0142	A. Anand	A. Anand
24	228W1A0143	G. Anand	G. Anand
25	228W1A0144	Ch. Anand	Ch. Anand
26	228W1A0145	G. Anand	G. Anand
27	228W1A0146	G. Anand	G. Anand
28	228W1A0147	V. Anand	V. Anand
29	228W1A0148	B. Anand	B. Anand
30	228W1A0149	P. Anand	P. Anand
31	228W1A0150	K. Anand	K. Anand
32	228W1A0151	B. Anand	B. Anand
33	228W1A0152	A. Anand	A. Anand
34			
35			
36			

Feedback

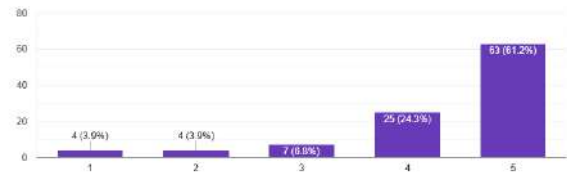
How would you rate the usefulness of the content
103 responses

[Copy chart](#)



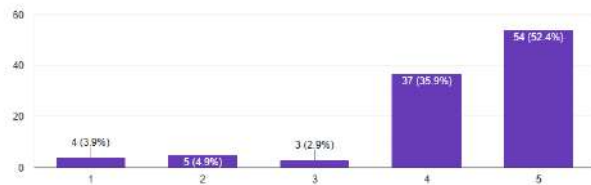
How would you rate the presenters Knowledge in the subject
103 responses

[Copy chart](#)

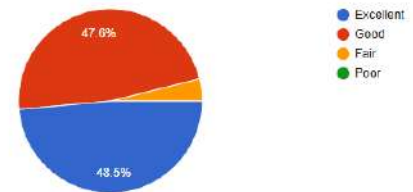


How would you rate the presenters style of teaching
103 responses

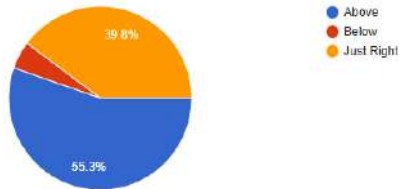
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How would you rate the presenter
103 responses

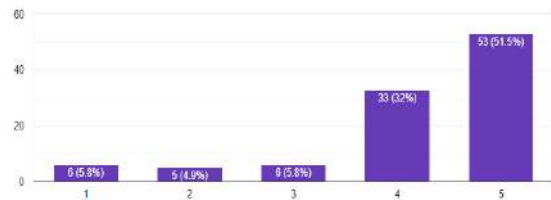


Was the Guest Lecture on "Strengthening & Rehabilitation Techniques in Concrete Structures" above or below your current skill level
103 responses



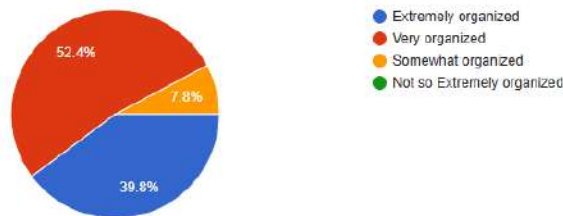
Overall, how would you rate Guest Lecture on "Strengthening & Rehabilitation Techniques in Concrete Structures"
103 responses

[Copy chart](#)



How organized was the Guest Lecture on "Strengthening & Rehabilitation Techniques in Concrete Structures"
103 responses

[Copy chart](#)



Dr. Hanuma Kasagani
Coordinator
ICI-VRSEC-Student-Chapter

Dr. V. Mallikarjuna
HoD-Civil Engineering



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Value-Added Course on “Hands-on Training in 3D Concrete Printing”

Event Type	Value Added Course
Date / Duration	09-02-2026 to 24-02-2026 & 2:00 PM to 5:00 PM
Resource Person	Dr.K.Hanuma , Assistant Professor, CED-VRSSE
Name of Coordinator	Dr.Hanuma Kasagani , Assistant Professor, CED-VRSSE
Target Audience	III/IV B.Tech of Civil
Total no of Participants	30
Objective of The-event	The objective of this value-added course is to provide students with practical knowledge and hands-on experience in 3D concrete printing technology used in modern construction. The course aims to familiarize students with the principles of additive manufacturing, printable concrete materials, and the operation of 3D printing equipment. It also develops skills in digital modeling, mix preparation, and printing of concrete elements, enabling students to understand innovative and sustainable construction techniques in the field of digital construction.
Outcome of The-event	After completing this course, students will gain a clear understanding of the principles of additive manufacturing and 3D concrete printing technology. They will be able to identify suitable materials and mix design requirements for printable concrete and understand the operation of 3D concrete printing equipment. Students will also develop basic skills in digital modeling and the printing of simple concrete elements. Overall, the course enables students to appreciate the applications and advantages of 3D concrete printing in modern, sustainable, and automated construction practices.
Feedback / Suggestions	Students gave positive feedback on the 3D Concrete Printing and requested more programmes in this manner.

Brochure

Hands-on Training in 3D Concrete Printing
09.02.2025 to 24.02.2025



Organized by
Department of Civil Engineering
VR Siddhartha School of Engineering

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Chancellor, SAHE

Patrons
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Vice Chancellor, SAHE

Prof A V Ratna Prasad,
Pro- Vice Chancellor, SAHE

Prof B Panduranga Rao
Director, Infrastructure & Consultancy

Prof D Venkat Rao, Dean, VRSSE

Convenor
Dr V Mallikarjuna, HoD, Civil

Coordinator
Dr K Hanuma, Assistant Professor, CED

BACKGROUND

The construction industry is witnessing a paradigm shift with the integration of innovative technologies like **3D Concrete Printing (3DCP)**. This method utilizes automated systems to create structures layer by layer, reducing material waste, labor costs, and construction time. It enables complex designs and customization, which are challenging with traditional methods. 3DCP is gaining traction globally in areas like affordable housing, disaster-resilient structures, and architectural advancements. Introducing this technology to students is vital for preparing them to meet the industry's future demands.

OBJECTIVE

The objective of this course is to provide students with practical knowledge and hands-on experience in 3D concrete printing for construction applications. It familiarizes students with the principles of additive manufacturing, printable concrete materials, and 3D printing equipment, while developing skills in digital modeling and concrete printing. The course also introduces innovative and sustainable construction techniques in digital construction.

ABOUT VRSEE & SAHE

In 2024, VR Siddhartha Engineering College was declared as a deemed-to-be university under Section 3 of the UGC Act, 1956 by Ministry of Education, Government of India. With a legacy of educational excellence, the institution's UGC-granted autonomy, renewed through 2027-28, provides a strong foundation for its transformation. Established in 1977, we are the first self-financed engineering college in the composite state of Andhra Pradesh. Offering 9 UG and 7 PG programs, we have student strength of 1470. Accredited by NBA since 1998 and recognized for Outcome Based Education (Tier I)

since 2013, we are ranked 141st in NIRF (2022).

The institute was reaccredited by NAAC with an 'A+' grade in 2021 and ISO 21001:2018 certified and we are a platinum-rated institution by AICTE-CII for four consecutive years. VRSEC is recognized among India's top engineering institutions by agencies like Outlook, Data Quest and Careers 360. The college has consistently ranked within the top 200 in the NIRF rankings for the last seven years. With 319 faculty, including 134 Ph.D.s, we collaborate with top foreign universities and industry partners. Our students benefit from strong alumni support, international exposure, and state-of-the-art facilities, including solar power generation for sustainability.

ABOUT CIVIL ENGINEERING DEPARTMENT

One of the oldest departments of the college offers undergraduate and postgraduate program (Structural Engineering). Both programs are accredited by NBA. The department is privileged to be recognized as one of the best Civil Engineering departments in the country as we are awarded Best Industry Institute Linked Technical Institute. The department has state of the art advanced laboratories to cater the needs of students, research and consultancy. The department has total faculty of 29, with 18 doctorates. The department takes pride in its highly experienced faculty specialized in all major specializations of Civil Engineering. VCMTL lab has NABL Accreditation.

RESOURCE PERSON:

Dr K Hanuma
Assistant Professor
8555864379

Schedule

Here is a **Table of Schedule** for the Value-Added Course on **Hands-on Training in 3D Concrete Printing**, covering the period from **09/04/2026 to 24/04/2026**, scheduled daily from **2:00 PM to 5:00 PM**:

Day	Date	Topic Covered	Time
Day 1	09.02.2026	Introduction to Additive Manufacturing and 3D Concrete Printing	2:00 PM – 5:00 PM
Day 2	10.02.2026	Fundamentals and Working Principles of 3D Concrete Printing	2:00 PM – 5:00 PM
Day 3	11.02.2026	Materials Used in 3D Printable Concrete (Cement, Admixtures, Fibers)	2:00 PM – 5:00 PM
Day 4	12.02.2026	Mix Design Requirements for Printable Concrete	2:00 PM – 5:00 PM
Day 5	13.02.2026	Rheology and Buildability of 3D Printable Concrete	2:00 PM – 5:00 PM
Day 6	14.02.2026	3D Concrete Printing Equipment and Components	2:00 PM – 5:00 PM
Day 7	16.02.2026	Digital Modeling and Slicing for 3D Printing	2:00 PM – 5:00 PM
Day 8	17.02.2026	Introduction to Printing Path Planning and Control	2:00 PM – 5:00 PM
Day 9	18.02.2026	Demonstration of 3D Concrete Printer and Safety Practices	2:00 PM – 5:00 PM
Day 10	23.02.2026	Hands-on Training: Printing Simple Concrete Elements	2:00 PM – 5:00 PM
Day 11	24.02.2026	Testing, Applications, Case Studies, and Course Wrap-up	2:00 PM – 5:00 PM

Poster

Department of
CIVIL ENGINEERING

Value-Added Course
on
Hands-on Training in
3D Concrete Printing



9th – 24th February 2026

Faculty Coordinator:
Dr. K. Hanuma



VELAGAPUDI RAMAKRISHNA SIDDHARTHA SCHOOL OF ENGINEERING



SIDDHARTHA

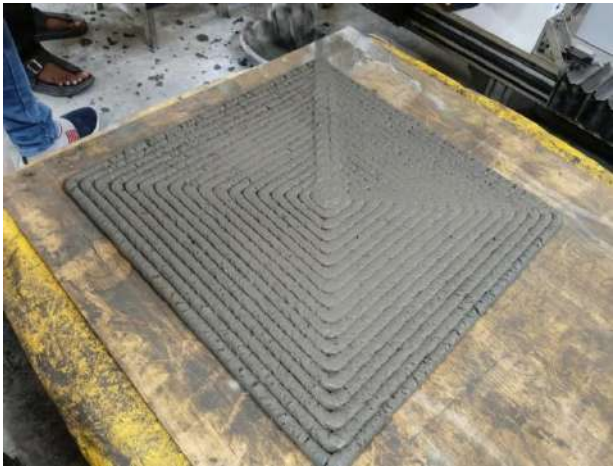
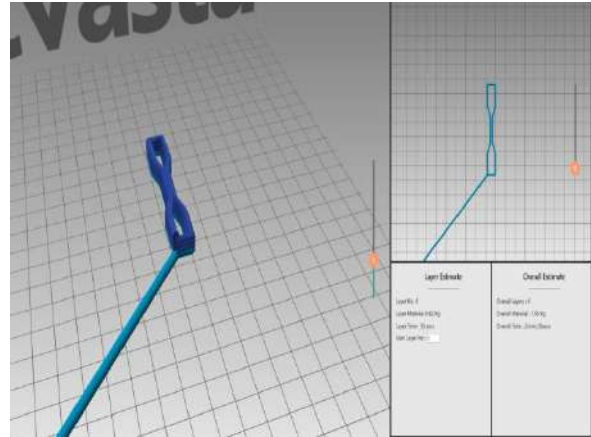
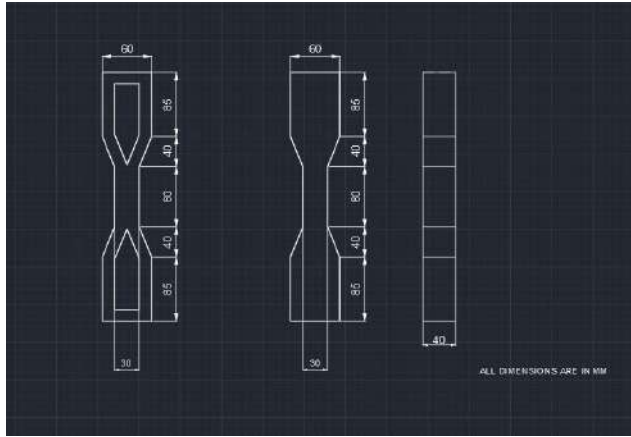
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01 866 2582333
866 2482334
866 2384910

Department of Civil Engineering

Value-Added Course on "Hands-on Training in 3D Concrete Printing"

Date: 09-02-2026 to 24-02-2026 & Time: 2:00 PM to 5:00 PM

Sl. No	Roll No	Student Name	Signature				
			16.02.26 AN	17.02.26 AN	18.02.26 AN	23.02.25 AN	24.02.26 AN
1	238WIA0167	G. Sirisha	Sirisha	Sirisha	Sirisha	Sirisha	Sirisha
2	238WIA0110	B. poojari	B. poojari	B. poojari	B. poojari	B. poojari	B. poojari
3	238WIA0111	V. Srivankhi	Vankhi	Vankhi	Vankhi	Vankhi	Vankhi
4	238WIA0110	A. maheswari	maheswari	maheswari	maheswari	maheswari	maheswari
5	238WIA0132	P. Saravathi	Saravathi	Saravathi	Saravathi	Saravathi	Saravathi
6	238WIA0121	M. Dharmavani	Dharmavani	Dharmavani	Dharmavani	Dharmavani	Dharmavani
7	238WIA0199	U. Purnima	U. Purnima	U. Purnima	U. Purnima	U. Purnima	U. Purnima
8	238WIA0130	N. Nitesh	Nitesh	Nitesh	Nitesh	Nitesh	Nitesh
9	238WIA0119	A. Anur	Anur	Anur	Anur	Anur	Anur
10	238WIA0109	D. Mohith	Mohith	Mohith	Mohith	Mohith	Mohith
11	238WIA0146	T. Manikanta	Manikanta	Manikanta	Manikanta	Manikanta	Manikanta
12	238WIA0157	B. Moshu	Moshu	Moshu	Moshu	Moshu	Moshu
13	238WIA0111	M. Pavan	Pavan	Pavan	Pavan	Pavan	Pavan
14	238WIA0114	R. Anur	Anur	Anur	Anur	Anur	Anur
15	238WIA0117	D. Anur	Anur	Anur	Anur	Anur	Anur
16	238WIA0130	P. Nitesh	Nitesh	Nitesh	Nitesh	Nitesh	Nitesh
17	248WSA0118	B. Poojika	Poojika	Poojika	Poojika	Poojika	Poojika
18	248WSA0113	R. Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh
19	248WSA0114	Y. Nara	Nara	Nara	Nara	Nara	Nara
20	248WSA0111	S. Anur	Anur	Anur	Anur	Anur	Anur
21	248WSA0111	K. Adithya	Adithya	Adithya	Adithya	Adithya	Adithya
22	238WIA0134	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep
23	238WIA0111	A. Anur	Anur	Anur	Anur	Anur	Anur
24	238WIA0114	M. Jagadeesh	Jagadeesh	Jagadeesh	Jagadeesh	Jagadeesh	Jagadeesh
25	238WIA0108	CH. Harish	Harish	Harish	Harish	Harish	Harish
26	238WIA0103	A. Harish	Harish	Harish	Harish	Harish	Harish
27	248WSA0109	P. Anur	Anur	Anur	Anur	Anur	Anur
28	238WIA0133	P. Anur	Anur	Anur	Anur	Anur	Anur
29	238WIA0135	P. Anur	Anur	Anur	Anur	Anur	Anur
30	238WIA0136	P. Anur	Anur	Anur	Anur	Anur	Anur

Certificate



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Kanturu, Vijayawada - 520 007, Andhra Pradesh

ICI
Indian Concrete Institute
VRSEC Student Chapter

ICI VRSEC STUDENT CHAPTER

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr./Ms. _____

has successfully participated in the Value-Added Course on
“Hands-on Training in 3D Concrete Printing”
organized by the **Department of Civil Engineering**
in association with **ICI VRSEC Student Chapter**
from **9th to 24th February 2026**

During this program, the participant has gained practical exposure to
advanced construction techniques, material behavior, and 3D printing
technology in civil engineering applications.

Date:

Place:

Dr. Hanuma Kasagani
Faculty Coordinator

Dr. V. Mallikarjuna
HOD - Civil Engineering

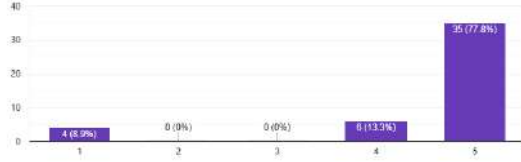


Feedback

How would you rate the presenter's style of teaching

45 responses

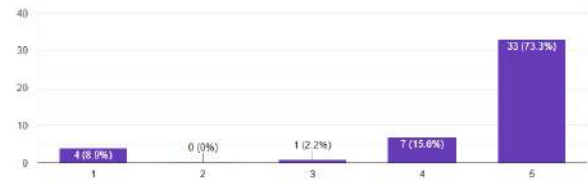
[Copy chart](#)



How would you rate the presenter's knowledge in the subject

45 responses

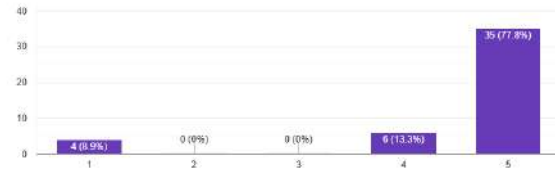
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How would you rate the presenter's style of teaching

45 responses

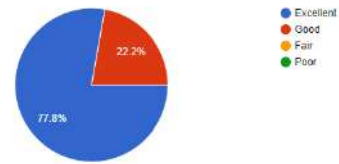
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How would you rate the presenter

45 responses

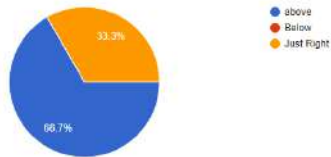
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Was the Value-Added Course on "Hands-on Training in 3D Concrete Printing" above or below your current skill level?

45 responses

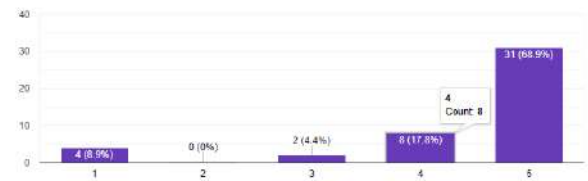
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Overall, how would you rate the Value-Added Course on "Hands-on Training in 3D Concrete Printing" ?

45 responses

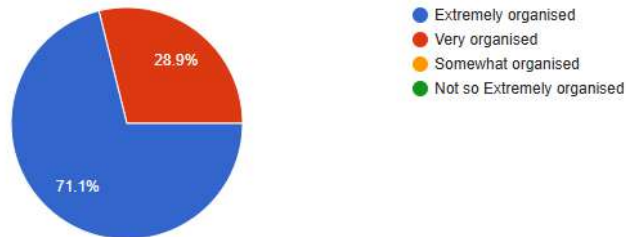
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How organised was the Value-Added Course on "Hands-on Training in 3D Concrete Printing"?

45 responses

[Copy chart](#)



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Faculty Coordinator
ICI-VRSEC-Student-Chapter

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