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 masonry practices.

				Techniques			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.
5	ICI-VRSEC	Outreach Activity	01-05-2026	Low Cost Housing using 3D Concrete Printing Technology	20	State	The activity helped bridge the gap between advanced construction technologies and rural communities, encouraging acceptance of innovative practices.

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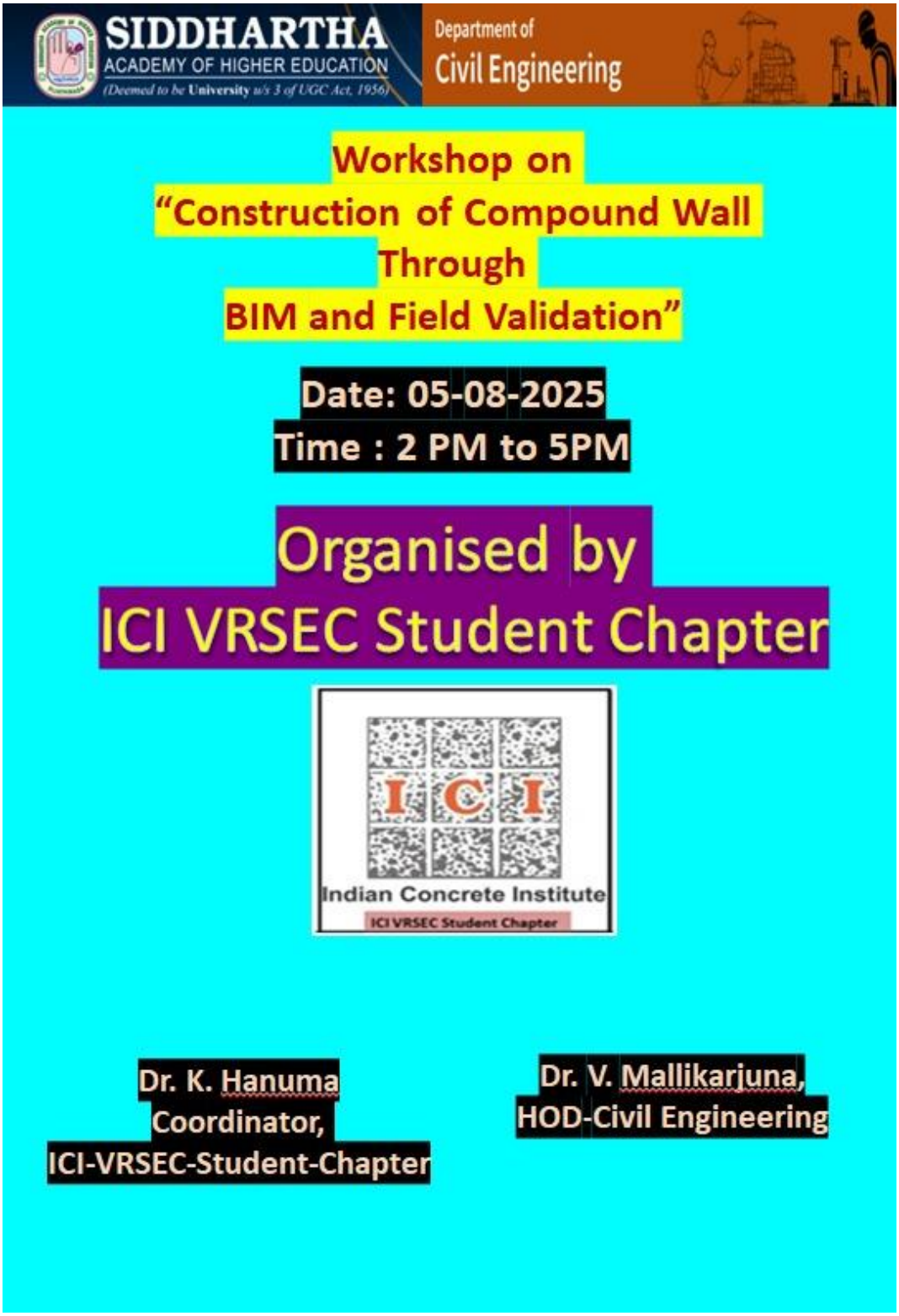
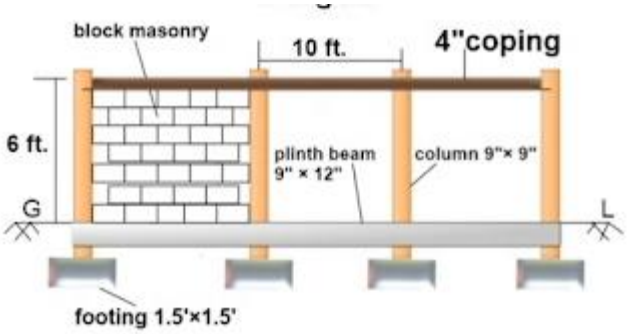
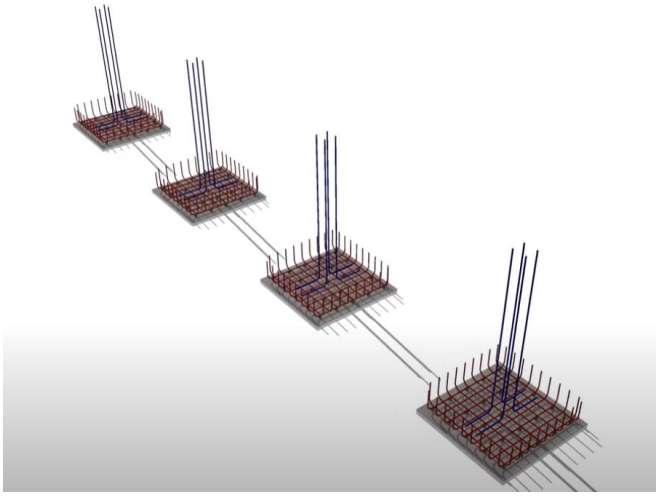
Workshop on "Construction of Compound Wall Through BIM and Field Validation"

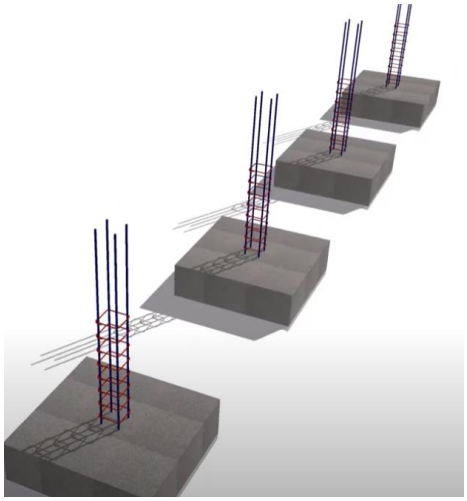
Event Type	Workshop
Date / Duration	05-08-2025 – 2 PM to 5 PM
Resource Person	**Dr.Hanuma Kasagani**, Assistant Professor, CED-VRSEC
Name of Coordinator	**Dr.Hanuma Kasagani**, Assistant Professor, CED-VRSEC
Target Audience	4/4 B.Tech Civil -Students
Total no of Participants	32
Objective of The event	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.

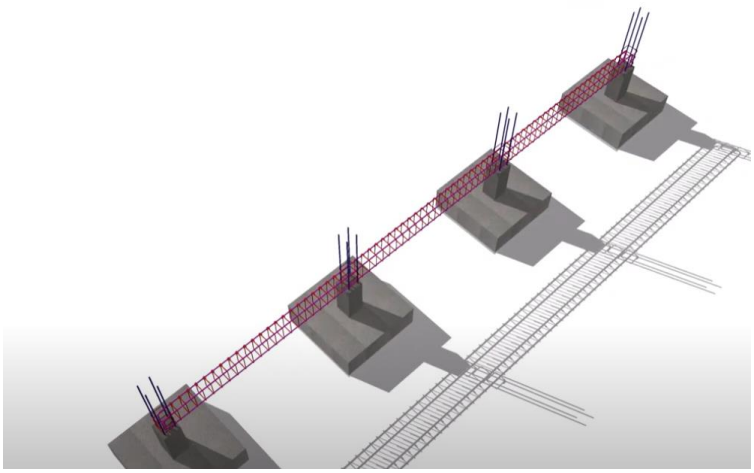
Photos

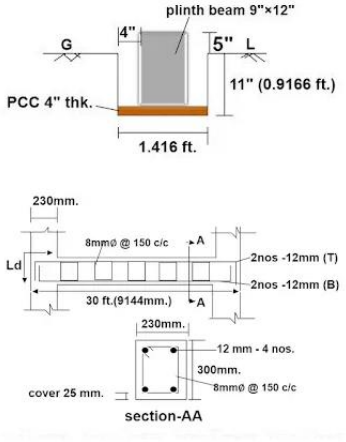

SIDDHARTHA
ACADEMY OF HIGHER EDUCATION
(Deemed to be University u/s 3 of UGC Act, 1956)
Department of
Civil Engineering
Workshop on
"Construction of Compound Wall
Through
BIM and Field Validation"
Date: 05-08-2025
Time : 2 PM to 5PM
Organised by
ICI VRSEC Student Chapter
Indian Concrete Institute
ICI VRSEC Student Chapter
Dr. K. Hanuma
Coordinator,
ICI-VRSEC-Student-Chapter
Dr. V. Mallikarjuna,
HOD-Civil Engineering

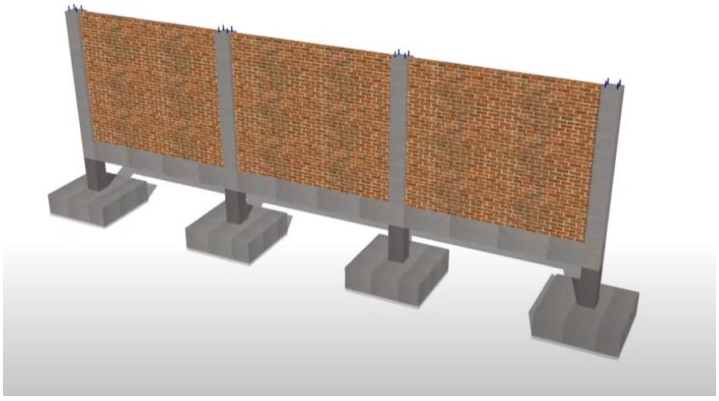

block masonry
10 ft.
4"coping
6 ft.
plinth beam
9" × 12"
column 9"× 9"
G
L
footing 1.5'×1.5'








plinth beam 9"×12"
G
4"
5"
L
11" (0.9166 ft.)
PCC 4" thk.
1.416 ft.
230mm.
8mmø @ 150 c/c
A
Ld
2nos -12mm (T)
2nos -12mm (B)
30 ft.(9144mm.)
A
230mm.
12 mm - 4 nos.
300mm.
cover 25 mm.
8mmø @ 150 c/c
section-AA

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Attendance:

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

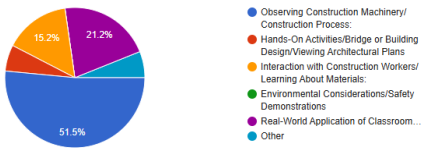
S.No	Roll No	Name	Signature
1	228W1A0136	P. Jayanth	P Jayanth
2	228W1A0112	D. Omprakash.	D.
3	228W1A0113	G. Aman Vardhan	
4	228W1A0127	Md Taveen	M.
5	228W1A0124	L. Lakshmi Sravanthi	L. Sravanthi.
6	228W1A0146	S. Caroline	S.
7	228W1A0106	B. Vyahruthi	B. Vyahruthi
8	238W5A0106	G. Sai Tarun	
9	238W5A0117	Shaik. Sirajuddin	
10	228W1A0107	B. Santhosh	B. Santhosh
11	238W5A0114	Md. Abi	Md. Abi
12	228W1A0129	M. Ravindra	M.
13	238W5A0104	B. Mahadev	B. Mahadev
14	238W5A0105	Ch. Sai Lokeswar	Lokesh
15	228W1A0105	B. Ganesh	
16	228W1A0149	T. Yogeswar	T. Yogi
17	228W1A0138	P. Anil	P.
18	[redacted]	[redacted]	
19	238W5A0113	J. Eswar Sagar	J. Eswar Sagar
20	228W1A0132	N. Vijay Sagar	
21	228W1A0150	V. Vivek	V. Vivek
22	228W1A0145	S. Venkatesh	S.
23	228W1A0109	Ch. Subhash Pal	Ch. Subhash Pal
24	228W1A0130	M. Krishnakumari	M. Krishnakumari
25	238W5A0111	Md. Chandini Sulthana	Md. Chandini
26	228W1A0102	A. Lavanya	A. Lavanya
27	238W5A0101	A. Deepthi	A. Deepthi
28	228W1A0133	P. Naga Sandhya	P. Sandhya
29	228W1A0143	SK. Samidhun	SK. Samidhun
30	228W1A0128	M. Gayathri	Gayathri. M
31	228W1A0111	D. Niharika	D. Niharika
32	228W1A0153	Y. Pallavi	Y. Pallavi
33			
34			
35			
36			

Feedback

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

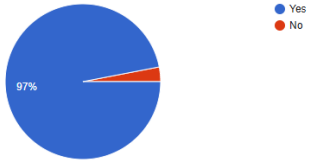
Copy chart

33 responses



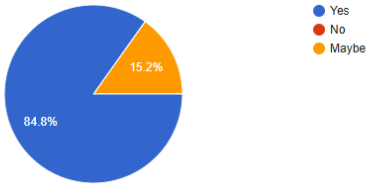
Did you have the opportunity to interact with construction professionals or ask questions?

33 responses



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

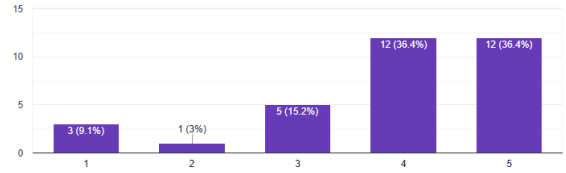
33 responses



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

Copy chart

33 responses



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

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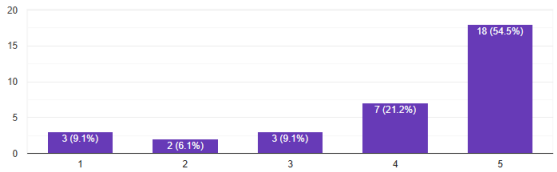
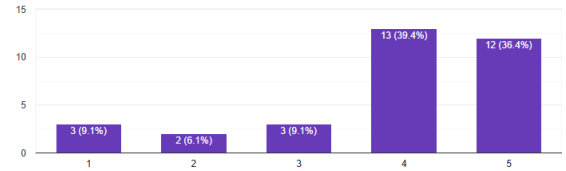
33 responses



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

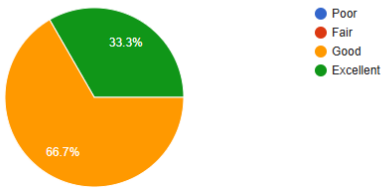
Copy chart

33 responses



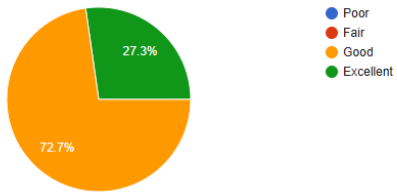
How would you rate your overall experience during the Workshop?

33 responses



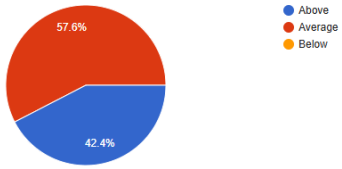
How would you rate the organization and logistics of the visit?

33 responses



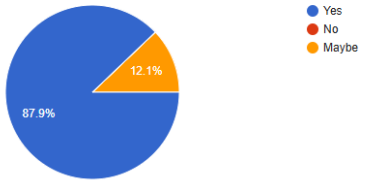
Was the workshop above or below your current skill level?

33 responses



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

33 responses



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

Dr. V. Mallikarjuna
HoD-Civil Engineering

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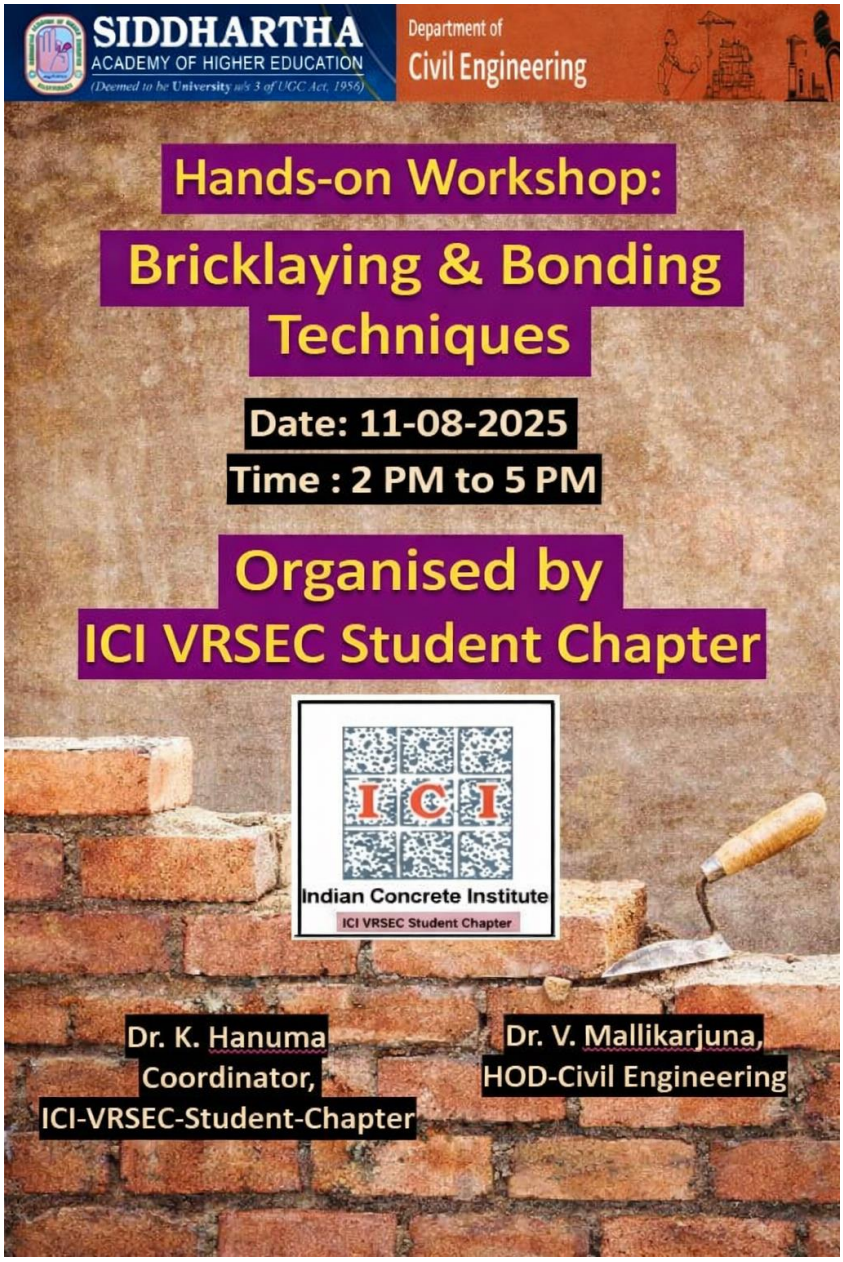
Hands on Workshop: Bricklaying & Bonding Techniques

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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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
ICI
Indian Concrete Institute
ICI VRSEC Student Chapter
Dr. K. Hanuma
Coordinator,
ICI-VRSEC-Student-Chapter
Dr. V. Mallikarjuna,
HOD-Civil Engineering


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Attendance Sheet for

Hands on Workshop: Bricklaying & Bonding Techniques

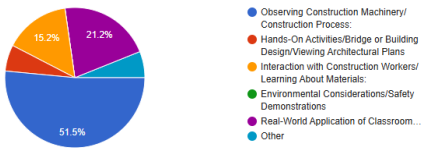
SL No.	HT No.	Name	Sign
1	24EU03018	BOYINA RISHITHA	
2	25EU03001	ANDRAJU SUNEETHA	
3	25EU03002	AREPALLI VENKATA SOBHAN	
4	25EU03003	BANDLAMUDI GRISHMANTH SAI	
5	25EU03004	BOMMAREDDY MANOJ KUMAR REDDY	
6	25EU03005	CHALLA PUNEETH	
7	25EU03006	CHENGALASETTY PAVAN SAI RAMAKRISHNA	
8	25EU03007	CHENNUPATI LIKITH	
9	25EU03008	CHERUKUMALLI YUGANDHAR SAI SUHAS	
10	25EU03009	CHILAKALAPUDI MADHU KUMARI	
11	25EU03010	CHITTELA NITHIN REDDY	
12	25EU03011	COPPISETTI TANIA	
13	25EU03012	DASARI NAMRATH VENKAT	
14	25EU03013	DAVIRI MORIES SANJVAL	
15	25EU03014	DEVARAKONDA KARTHIKEYA	
16	25EU03015	GANGISETTY SRIPADH	
17	25EU03016	GORIPARTHI SAI CHAITANYA	
18	25EU03017	GUMMALLA LAKSHMAN TEJA	
19	25EU03018	GUVVALA PUJITHA	
20	25EU03019	JAADA SIVA SAI VENKATA SRIRAM	
21	25EU03020	JETTIBOYINA LIKHITHA	
22	25EU03021	KAGITHA FRANCIS	
23	25EU03022	KAKARLA SANDEEP CHOWDARY	
24	25EU03023	KANAJAM NAVADEEP	
25	25EU03024	KANUKOLLU SRI SURYA BHASKAR	
26	25EU03025	KARI ABHISHEK	
27	25EU03026	KARNATI MADHAN VENKATA TEJA	
28	25EU03027	KATURI SANDEEP KUMAR	
29	25EU03028	KAVURI LIKHITH SAI	
30	25EU03029	KOLLI DEVI PRIYA	

Feedback

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

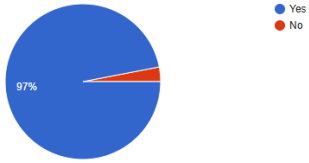
Copy chart

33 responses



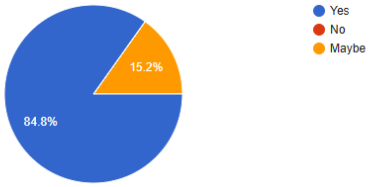
Did you have the opportunity to interact with construction professionals or ask questions?

33 responses



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

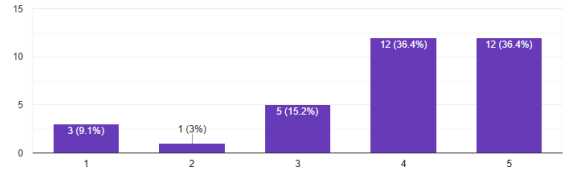
33 responses



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

Copy chart

33 responses



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

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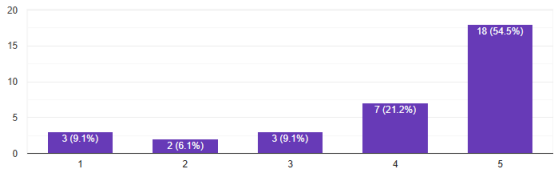
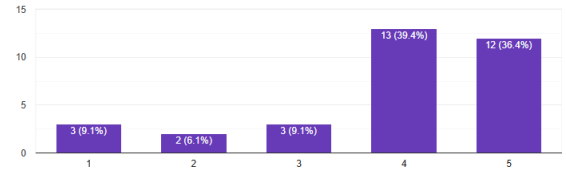
33 responses



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

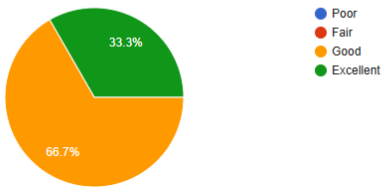
Copy chart

33 responses



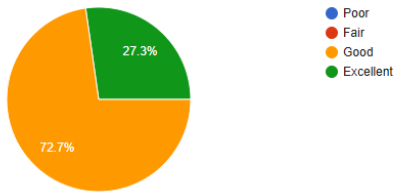
How would you rate your overall experience during the Workshop?

33 responses



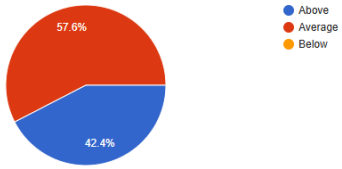
How would you rate the organization and logistics of the visit?

33 responses



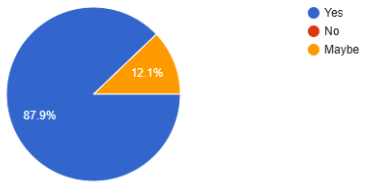
Was the workshop above or below your current skill level?

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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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
VRSEC
Students Chapter
Hearty Welcome
to
Strengthening & Rehabilitation
Techniques in Concrete Structures
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.


GPS Map Camera
Vijayawada, Andhra Pradesh, India
Tifac-core Block, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India
Lat 16.485685° Long 80.69359°
Friday, 31/10/2025 12:36 PM GMT +05:30


About NVLN
GPS Map Camera
Vijayawada, Andhra Pradesh, India
Fmpv+3c3 Civil Engineering, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India
Lat 16.484906° Long 80.693834°
Friday, 31/10/2025 12:03 PM GMT +05:30


GPS Map Camera
Vijayawada, Andhra Pradesh, India
Tifac-core Block, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India
Lat 16.485686° Long 80.693588°
Friday, 31/10/2025 12:05 PM GMT +05:30


Strengthening of Footings
GPS Map Camera
Vijayawada, Andhra Pradesh, India
Tifac-core Block, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India
Lat 16.485683° Long 80.693588°
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Google

Attendance:

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

S.No	Roll No	Name	Signature
1	228W1A0105	V.S.K. Syam Sundar	V.Syam
2	228W1A0115	S.Venkatesh	S.venkatesh
3	228W1A0165	D.Anjaiah	D.Anjaiah
4	228W1A0127	M. Praveen	M.Praveen
5	228W1A0158	B. SuSank	B.Susank
6	228W1A0117	J. Mohan Vignesh	J.Mohan Vignesh
7	228W1A0143	G. Aman Vardhan	G.Aman Vardhan
8	228W1A0187	N. Manoj	N.Manoj
9	228W1A0185	M. Rahul	M.Rahul
10	25EP04001	Ch. Harith	Ch.Harith
11	25EP04006	P. TARUN	P.TARUN
12	25EP04005	D. Anand Pal	D.Anandpal
13	25EP04003	S. Toshuva Joel	S.Toshuva Joel
14	25EP04004	P.Manika	P.Manika
15	228W1A0137	P. Lathasri	P.Lathasri
16	228W1A0151	V. Charishma	V.Charishma
17	228W1A0146	S. Gopichand	S.Gopichand
18	228W1A0170	G. Sirisha	G.Sirisha
19	228W1A01AD	S. Sabeeha	S.Sabeeha
20	228W1A0138	K. Sravani	K.Sravani
21	228W1A0175	B. Jagruthi	B.Jagruthi
22	228W1A0111	N.Harshika	N.Harshika
23	228W1A0114	G.Mamatha	G.Mamatha
24	228W1A0136	M.Meghana	M.Meghana
25	228W1A0128	G.Gayathri	G.Gayathri
26	228W1A0139	B. Preethi	B.Preethi
27	248W5A0114	R. Sushmitha	R.Sushmitha
28	248W5A0112	B. Pannika	B.Pannika
29	238W1A0115	K. Teja Sri	K.Teja Sri
30	238W1A0132	P. Sravanthi	P.Sravanthi
31	238W1A0113	G. Divya	G.Divya
32	238W1A0122	M. Dharani Sri	M.Dharani Sri
33	238W1A0125	MD. Humaira	MD.Humaira
34	238W1A0116	K. Sravani	K.Sravani
35	238W1A0111	D. Leeloanjanee	D.Leela
36	248W5A0103	K. Manasa	K.Manasa

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

S.No	Roll No	Name	Signature
1	238W1A0110	D. Teja venkata Kranthi	D.Teja venkata Kranthi
2	238W1A0108	CH. Mandeep	Ch.Mandeep
3	248W5A0121	Y.Narendra	Y.Narendra
4	248W5A0113	R.Ram Sai	R.Ram Sai
5	248W5A0105	K. Ramesh	K.Ramesh
6	238W1A0128	P. Chandra Sekhar	P.Chandra Sekhar
7	238W1A0103	A. Harsha Vardhan	A.Harsha Vardhan
8	238W1A0117	K. Rishi Vardhan	K.Rishi Vardhan
9	238W1A0118	G. Siva Ghanesh Teja	G.Siva Ghanesh Teja
10	248W5A0104	K. Aditya	K.Aditya
11	248W5A0111	P. Sunith Sai	P.Sunith Sai
12	238W1A0124	M. Jagadeesh varsha naidu	M.Jagadeesh varsha naidu
13	238W1A0123	M. Vinay Kumar	M.Vinay Kumar
14	238W1A0136	P. Jagadeesh	P.Jagadeesh
15	248W5A0134	M. praveen	M.praveen
16	238W1A0130	P. Mohith Babji	P.Mohith Babji
17	238W1A0141	Sk. Sadhik	Sk.Sadhik
18	238W1A0133	P. Bharu	P.Bharu
19	248W5A0138	Daggumalli Sunil	Daggumalli Sunil
20	248W5A0137	M. Chaitanya	M.Chaitanya
21	238W1A0134	p. Mandeep	P.Mandeep
22	238W1A0135	P. Manikanta	P.Manikanta
23	238W1A0126	N. Prasad	N.Prasad
24	248W5A0110	P. purshotham Abiram	P.purshotham Abiram
25	238W1A0105	T. Candy	T.Candy
26	238W1A0143	L. Eshwaramma	L.Eshwaramma
27	248W1A0140	Sumalatha. G	Sumalatha.G
28	238W1A0142	J. Vasanthi	J.Vasanthi
29	238W1A01H4	U. Sravani	U.Sravani
30	238W1A0149	Y. Sahithya	Y.Sahithya
31	238W1A0151	G. Sirisha	G.Sirisha
32	238W1A0167	A. Alekhya	A.Alekhya
33	238W1A0154	Jaya lakshmi	Jaya lakshmi
34	238W1A0186	T. Satya	T.Satya
35	248W5A0118	P. Rakshi Naga Sree	P.Rakshi Naga Sree
36	248W5A0108		

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

S.No	Roll No	Name	Signature
1	238W1A0160	B. Poojasri	B.Poojasri
2	238W1A01A2	Y. Vijaya Lakshmi	V.Vijayalakshmi
3	238W1A0198	V. Durga Akshaya	V.Akshaya
4	248W5A0132	K. Lahari	K.Lahari
5	248W5A0123	A. Gowri Sivalli	A.Gowri Sivalli
6	248W5A0127	Ch. Pavani	Ch.Pavani
7	248W5A0136	P. Aswani	P.Aswani
8	248W5A0117	D. Citha	D.citha
9	248W5A0131	Krishnaveni. T	Krishnaveni
10	248W5A0137	Bikkina. S. K.	Bikkina
11	238W1A0199	V. SRAVYA	V.V.Sravya
12	238W1A0190	P. Sravya	P.Sravya
13	238W1A0192	(Sruthi) Dhana Lakshmi	Sruthi
14	238W1A01AD	V. Sriya	Sriya Vinkonda
15	238W1A0185	P. Gayathri	Gayathri. P.
16	238W1A0157	B. Moshe	B. Moshe
17	238W1A0169	G. Akshay	G. Akshay
18	248W5A0138	S. Durga Prasad	S.Durgaprasad
19	238W1A0194	T. Prem	T.Prem
20	238W1A0195	G. Pavan Rama Sai	G.Pavan Rama Sai
21	238W1A0139	R. Arun	R.Arun
22	248W5A0109	Pathan Ghalib Khan	Pathan Ghalib Khan
23	238W1A0139	R. Ravi teja	R.Ravi teja
24	238W1A0119	K. Sai babu	K.Sai babu
25	248W5A0106	M. Narendra	M.Narendra
26	238W1A0137	R. Rangaiah naik	R.Rangaiah naik
27	238W1A0182	R. Mathews	R.Mathews
28	238W1A0193	T. Rohith	T.Rohith
29	248W5A0126	Chinni Abhishek	Chinni Abhishek
30	248W5A0101	ELLA. PAVAN SAI	E.Pavan Sai
31	248W5A0124	B. Rahul	B.Rahul
32	238W1A0107	Kavya sri. B	B.Kavya sri
33	248W5A0120	V. Thanmayee	V.Thanmayee
34	238W1A0118	Amulya Kabaraj	Amulya Kabaraj
35	238W1A01K	V. Sri Vishnu	V.Sri Vishnu
36			

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

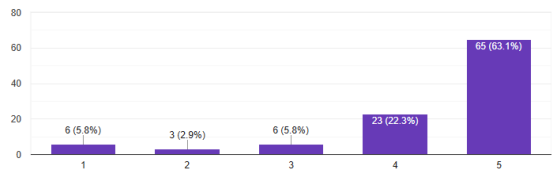
S.No	Roll No	Name	Signature
1	228W1A0120	K.Prasad	K.Prasad
2	228W5A0113	N.JE Sagar	N.JE Sagar
3	228W5A0103	G.Rahul Kumar	G.Rahul Kumar
4	228W1A0196	Pvenkatewararao	Pvenkateswararao
5	228W1A0153	V.Pallavi	V.Pallavi
6	238W5A0101	A.Deepthi	A.Deepthi
7	228W1A0190	P.Sphoorthaarao	P.Sphoorthaarao
8	248W5A0135	P.Sarath Kumar.	P.Sarathkumar
9	248W5A0139	Y.Karthik	Y.Karthik
10	248W1A0102	K.Kiran Babu	K.Kiran Babu
11	248W5A0115	Sk. Rubhani	Sk.Rubhani
12	248W5A0119	T. Narendhra	T.Narendhra
13	238W1A0106	B. Sofnu	B.Sofnu
14	228W1A0148	V. Sivamani	V.Sivamani
15	238W5A0127	N.V. Sai Pradeep	N.V.Sai Pradeep
16	238W1A0199	D. Mohith Venkat Sai	D.Mohith Venkat Sai
17	238W1A0146	T. Manikanta	T.Manikanta
18	238W1A0121	M. Rai Bhasku	M.Raibhasku
19	238W1A0161	CH. Rishi Kumar	CH.Rishi Kumar
20	228W1A0171	K. Vinay Teja	K.Vinay Teja
21	238W1A0175	K. Vara Prasad	K.Vara Prasad
22	228W1A0162	D. Prashant	D.Prashant
23	238W1A0152	A. Ahmed	A.Ahmed
24	238W1A0166	G. Kiran kumar	G.Kirankumar
25	248W5A0125	Ch. Nani. V. Sai	Ch.Nani.V.Sai
26	248W5A0129	G.N. Venkatesh	G.N.Venkatesh
27	248W5A0130	G. Dharma Raju	G.Dharma Raju
28	228W1A0197	V. Pola Vinay	V.Pola Vinay
29	238W1A0158	B. Prabadh	B.Prabadh
30	238W1A0187	P. Azeem khan	P.Azeemkhan
31	238W1A0173	K. Prasanth	K.Prasanth
32	238W5A0104	B. Mahadev	B.Mahadev
33	238W5A0102	A. Yeswanth	A.Yeswanth
34			
35			
36			

Feedback

How would you rate the usefulness of the content

Copy chart

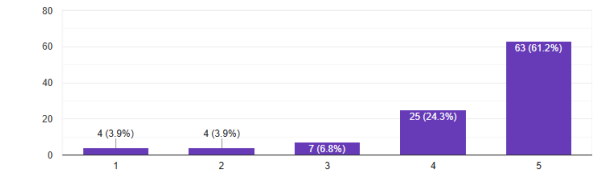
103 responses



How would you rate the presenters Knowledge in the subject

Copy chart

103 responses



How would you rate the presenters style of teaching

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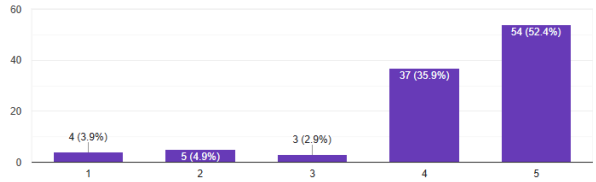
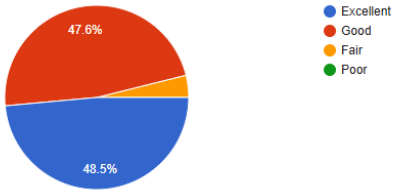
103 responses



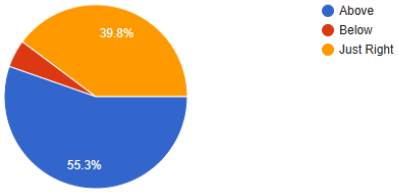
How would you rate the presenter

103 responses



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

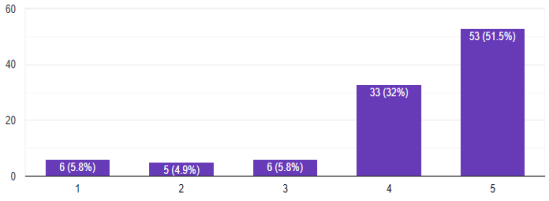
103 responses



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

Copy chart

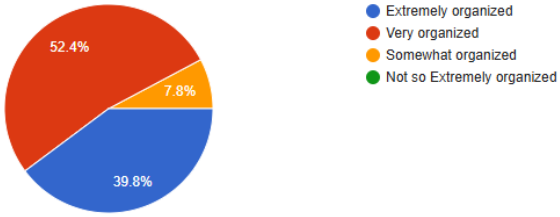
103 responses



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

Copy chart

103 responses



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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Pro- Vice Chancellor, SAHE

Prof B Pandurauranga 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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Photos


WARNING
CAUTION
NIRMAN
Kanuru, Andhra Pradesh, India
Fmpv+3c3 Civil Engineering, Chalasani Nagar, Kanuru, Andhra Pradesh 520007, India
Lat 16.484937° Long 80.69383°
Tuesday, 24/02/2026 10:30 AM GMT +05:30
Google


Kanuru, Andhra Pradesh, India
Fmpv+3c3 Civil Engineering, Chalasani Nagar, Kanuru, Andhra Pradesh 520007, India
Lat 16.485137° Long 80.693568°
Monday, 23/02/2026 03:04 PM GMT +05:30
Google


WARNING
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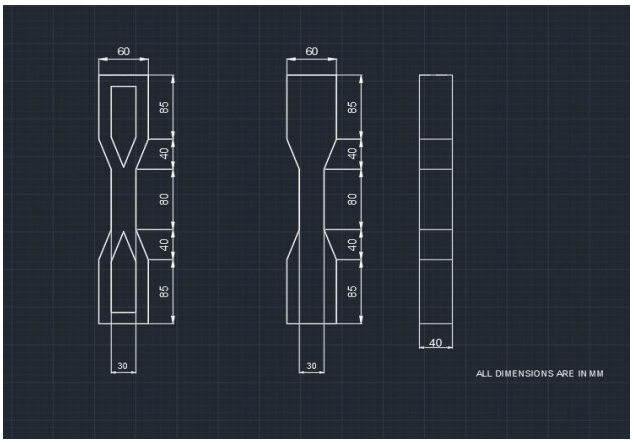
NIRMAN


CAUTION
DO NOT TOUCH
PALLET WHILE PRINTING
GPS Map Camera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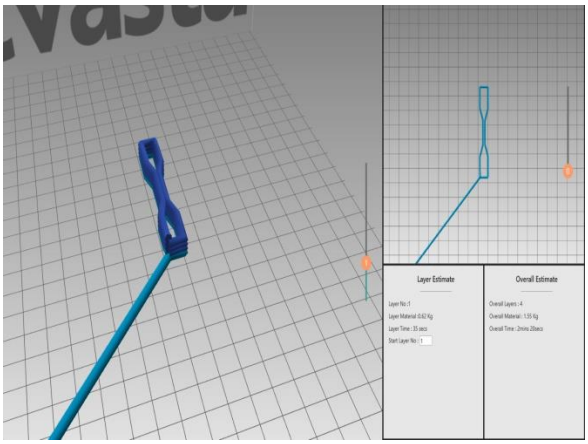
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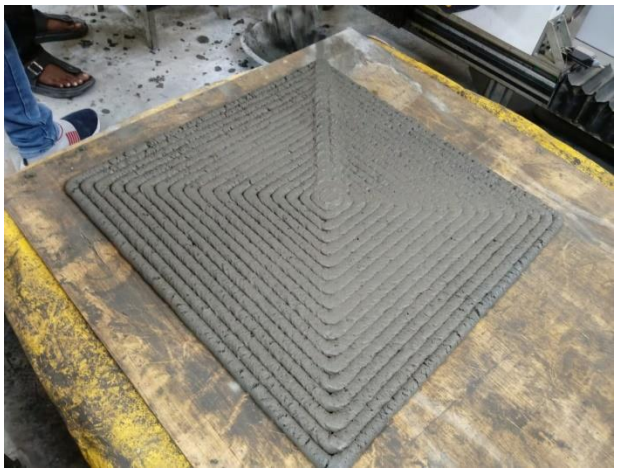
Overall Estimate



Attendance:

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91 866 2582333
866 2582334
866 2584930

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	238W1A0167	G.Sirisha	Sirisha	Sirisha	Sirisha	Sirisha	Sirisha
2	238W1A0110	B. Poojasri	B. Poojasri	B. Poojasri	B. Poojasri	B. Poojasri	B. Poojasri
3	238W1A0141	V. Srivanthi	Vanthi	Vanthi	Vanthi	Vanthi	Vanthi
4	238W1A0110	A. Maheswari	Maheswari	Maheswari	Maheswari	Maheswari	Maheswari
5	238W1A0132	P. Sowmya Sri	Sowmya	Sowmya	Sowmya	Sowmya	Sowmya
6	238W1A0122	M. Dharani	Dharani	Dharani	Dharani	Dharani	Dharani
7	238W1A0197	U. Pavan Ramesh	U.P.R.Sai	U.P.R.Sai	U.P.R.Sai	U.P.R.Sai	U.P.R.Sai
8	238W1A0120	Naveesh					
9	238W1A0115	A					
10	238W1A0109	D. Mohith	Mohith	Mohith	Mohith	Mohith	Mohith
11	238W1A0146	T. Manikanta	T. Manikanta	T. Manikanta	T. Manikanta	T. Manikanta	T. Manikanta
12	238W1A0157	B. Moshe	Moshe	Moshe	Moshe	Moshe	Moshe
13	238W1A0141	M. Pavi Theja	M.P.T	M.P.T	M.P.T	M.P.T	M.P.T
14	238W1A0118						
15	238W1A0112	D. Jaya	D. Jaya	D. Jaya	D. Jaya	D. Jaya	D. Jaya
16	238W1A0130	P. Uday	P.U.D	P.U.D	P.U.D	P.U.D	P.U.D
17	248W5A0112	B. Pavanika	B. Pavanika	B. Pavanika	B. Pavanika	B. Pavanika	B. Pavanika
18	248W5A0113	R. Ramesh	R. Ramesh	R. Ramesh	R. Ramesh	R. Ramesh	R. Ramesh
19	248W5A0114	Y. Naresh	Y. Naresh	Y. Naresh	Y. Naresh	Y. Naresh	Y. Naresh
20	248W5A0115	R Sruthi	Sruthi	Sruthi	Sruthi	Sruthi	R Sruthi
21	248W5A0116	K. Lakshmi Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
22	238W1A0134	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep
23	238W1A0104	A. Srinivas	A	A	A	A	A
24	238W1A0124	M. Jagadeshwara	M. Jagadesh	M. Jagadesh	M. Jagadesh	M. Jagadesh	M. Jagadesh
25	238W1A0108	CH. Manideep					
26	238W1A0103	A. Harsha	Harsha	Harsha	Harsha	Harsha	Harsha
27	248W5A0109	P. Sahithi					
28	238W1A0133	P. Bhanu	BSD				
29	238W1A0135	P. Manikanta	P. Manikanta	P. Manikanta	P. Manikanta	P. Manikanta	P. Manikanta
30	238W1A0136	P. Jagadeesh	P. Jagadeesh	P. Jagadeesh	P. Jagadeesh	P. Jagadeesh	P. Jagadeesh

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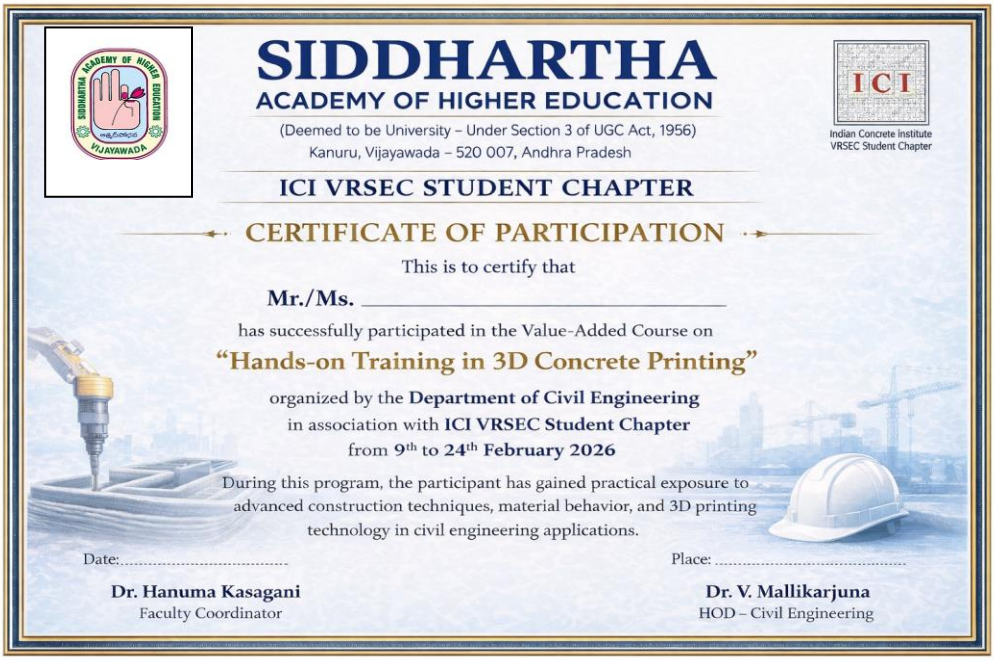
1	238W1A0167	G. Sirisha	Sirisha	Sirisha	Sirisha	Sirisha	Sirisha
2	238W1A0160	B. poojasri	B. poojasri	B. poojasri	B. poojasri	B. poojasri	B. poojasri
3	238W1A0141	V. Srivanthi	Vanthi	Vanthi	Vanthi	Vanthi	Vanthi
4	238W1A0140	A. maheswari	maheswari	maheswari	maheswari	maheswari	maheswari
5	238W1A0132	P. Saraswathi	Saraswathi	Saraswathi	Saraswathi	Saraswathi	Saraswathi
6	238W1A0122	M. Dharani sri	Dharani	Dharani	Dharani	Dharani	Dharani
7	238W1A0195	U. Pranaikamalesi	U.PRSai	U.PRSai	U.PRSai	U.PRSai	U.PRSai
8	238W1A0120	Naveesh					
9	238W1A0119	A					
10	238W1A0109	D. Mohith	Mohith	Mohith	Mohith	Mohith	Mohith
11	238W1A0146	T. Manikanta	T. Manikanta	T. Manikanta	T. Manikanta	T. Manikanta	T. manikanta
12	238W1A0157	B. Moshe	moshe	moshe	moshe	moshe	moshe
13	238W1A0121	M. Ravi Theja	M.	M.	M.	M.	M.
14	238W1A0116	R					
15	238W1A0170	D. Teja	D. Teja	D. Teja	D. Teja	D. Teja	D. Teja
16	238W1A0130	P.M.R.D	P.M.R.D	P.M.R.D	P.M.R.D	P.M.R.D	P.M.R.D
17	248W5A0118	B. Ponnika	B. Ponnika	B. Ponnika	B. Ponnika	B. Ponnika	B. Ponnika
18	248W5A0113	R. Renuka	R. Renuka	R. Renuka	R. Renuka	R. Renuka	R. Renuka
19	248W5A0114	Y. naren	Y. naren	Y. naren	Y. naren	Y. naren	Y. naren
20	248W5A0111	R Sruthi	Sruthi	Sruthi	Sruthi	Sruthi	R Sruthi
21	248W5A0104	K. Adithya	Adithya	Adithya	Adithya	Adithya	Adithya
22	238W1A0134	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep
23	238W1A0114	A. Avinash	A	A	A	A	A
24	238W1A0124	M. Jagadeshwar	M. Jagadeshwar	M. Jagadeshwar	M. Jagadeshwar	M. Jagadeshwar	M. Jagadeshwar
25	238W1A0108	CH. Manideep	M	M	M	M	M
26	238W1A0103	A. Harsha	Harsha	Harsha	Harsha	Harsha	Harsha
27	248W5A0109	P. Sasikiran					
28	238W1A0133	P Bhanu	BSD				
29	238W1A0135	P. Manikanta	P. Manikanta	P. Manikanta	P. Manikanta	P. Manikanta	P. Manikanta
30	238W1A0136	P. Jagadeesh	P. Jagadeesh	P. Jagadeesh	P. Jagadeesh	P. Jagadeesh	P. Jagadeesh

Certificate



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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

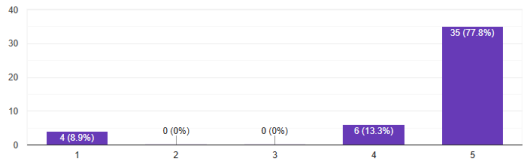
Dr. V. Mallikarjuna
HOD – Civil Engineering

Feedback

How would your rate the presenter's style of teaching

Copy chart

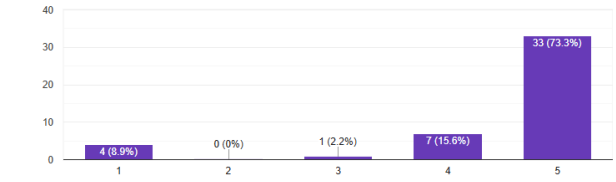
45 responses



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

Copy chart

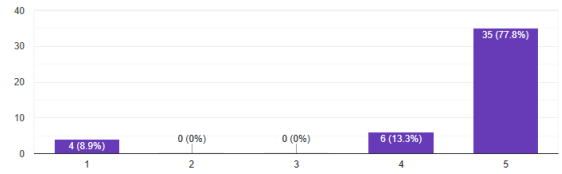
45 responses



How would your rate the presenter's style of teaching

Copy chart

45 responses



How would you rate the presenter

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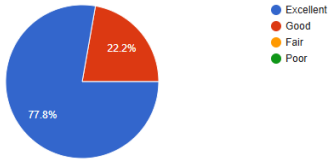
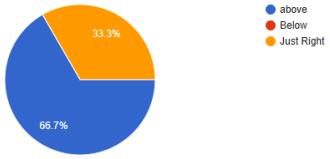
45 responses



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

Copy chart

45 responses



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

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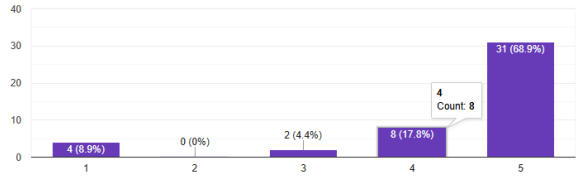
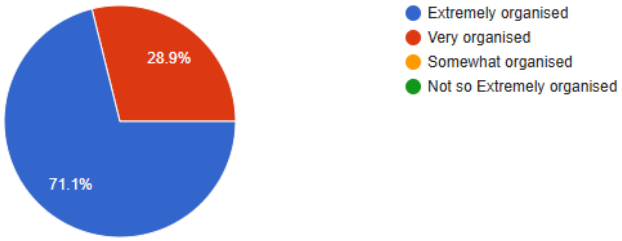
45 responses



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

Copy chart

45 responses



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

Dr. V. Mallikarjuna
HoD CED-VRSEC

DEPARTMENT OF CIVIL ENGINEERING
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Outreach Activity for "Low Cost Housing using 3D Concrete Printing Technology"

Event Type	**Outreach Activity**
Date / Duration	01-05-2026
Resource Person	Rayavarapu Sushmitha (248W5A0114), Kaithepalli Kiran Babu (248W5A0102), Pathan Ibrahim (248W5A0109) & Vanukuru Keerthi Sri (24EU03081)
Name of Coordinator	**Dr.Hanuma Kasagani**, Assistant Professor, CED-VRSEC
Target Audience	People of Gosala Village, Penamaluru Mandalam, Vijyawada, Krishna District, A.P
Total no of Participants	20
Objective of The-event	The outreach activity on "Low Cost Housing using 3D Concrete Printing Technology" was conducted for the people of Gosala Village, Penamaluru Mandal, Vijayawada, Krishna District, Andhra Pradesh, with the objective of creating awareness about affordable, rapid, and sustainable housing solutions. The event aimed to educate the local community on how 3D concrete printing can significantly reduce construction cost, time, and material wastage while ensuring structural strength and durability. It also focused on demonstrating the potential of this technology in addressing housing shortages, especially for economically weaker sections, by minimizing the need for skilled labor and enabling faster project completion.
Outcome of The-event	As a result of this outreach activity, the participants gained a clear understanding of the benefits of adopting modern construction techniques, including cost efficiency, eco-friendliness, reduced construction time, and improved quality control. The villagers showed interest in how such technology can be implemented in rural housing schemes and government-supported projects. The activity helped bridge the gap between advanced construction technologies and rural communities, encouraging acceptance of innovative practices.
Feedback / Suggestions	The feedback received from the participants was positive, highlighting that such awareness programs are highly beneficial for rural development. They expressed the need for practical demonstrations and pilot projects in their village to better understand real-time applications. Suggestions included organizing hands-on training sessions, providing government support or subsidies for adopting this technology, and conducting more frequent outreach programs. From a public point of view, this initiative is advantageous as it promotes affordable housing, enhances living standards, reduces environmental impact, and supports sustainable rural infrastructure development.

Photos

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

Dr. V. Mallikarjuna
HoD CED-VRSSE