ASCE Student Chapter

AY 25 - 26			
S.No	**EVENT**	**DATE**	**GUESTS/ PARTICIPATIONS**
1	One-Day Workshop on "Recent Trends in Water Resources Engineering" by Sri. G. S. Sivakumar Reddy,Superintendent Engineer, Central Designs Organisation Water Resources Department, Vijayawada	15th July 2025	III/IV B. Tech Students (108)
2	Outreach Program – Career Compass: Guiding the Future for ZP High School, Penamaluru	28th July 2025	10^{th} class students 30-40 members
3	One week Hands-On Training Program On Signal Stacking Electrical Resistivity Meter (SSRM-ATS)	7^{th} -11^{th} October 2025	Faculty & Technicians
4	One-Day Workshop "Industry-Oriented Workshop on Analysis and Design of PEB Structures"	23^{rd} March 2026	UG&PG students (78)
5	FIELD VISIT TO KONDAVEETI VAAGU LIFT IRRIGATION PROJECT & EXISTING PEB PUMP SHED STRUCTURE	9^{th} April 2026	UG&PG students (115)
6	Construction of Steel Girder Bridge under ASCE student chapter Location: Vundavalli, Tadepalli, Guntur Dt. , Andhra Pradesh	9th April 2026	UG&PG students (115)

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)
Vijayawada – 520007, AP. www.vrsiddhartha.ac.in\ce

Title	One-Day Workshop on "Recent Trends in Water Resources Engineering"
Date	15th July 2025
Venue	Civil Engineering Seminar Hall
Occasion	124th Birth Anniversary of **Dr. K. L. Rao**, Eminent Engineer & Statesman
Guest	Sri. G. S. Sivakumar Reddy,Superintendent Engineer, Central Designs Organisation Water Resources Department, Vijayawada
Beneficiaries	III/IV B. Tech Students (108)

Schedule:

Time	Activity
10:30 AM	**Inaugural Function**
	- Welcome Address by ASCE Faculty Coordinator, **Mr. Haroon Ali Khan** - Brief on Dr. K. L. Rao's Contributions
10:30 AM – 1:00 PM	**Session I:** Recent Innovations in Water Resources Engineering
	Topics Covered: - Smart Irrigation Systems - River Linking and Integrated Basin Management - GIS & Remote Sensing in Water Resources - Advances in Hydraulic Structures Design - Interactive Q&A session
1:00 PM – 2:00 PM	**Lunch Break**
2:00 PM – 4:30 PM	**Session II:** Challenges and Future Directions in Water Resources
	Topics Covered: - Urban Flood Management Techniques - Climate Change and its Impact on Water Availability - Water Governance and Policy Frameworks - Sustainable Water Resource Planning - Student interaction and expert guidance on project ideas
4:30 PM	**Vote of Thanks** by ASCE Faculty Coordinator, **Mr. Haroon Ali Khan**

Highlights:

The one-day workshop on "Recent Trends in Water Resources Engineering," organized on the occasion of the 124th birth anniversary of the legendary engineer Dr. K. L. Rao, was conducted with the aim of equipping third-year Civil Engineering students with a deeper understanding of modern advancements, tools, and best practices in the domain of Water Resources Engineering. The workshop served as a tribute to Dr. K. L. Rao, whose unparalleled contributions laid the foundation for several landmark water management projects in India. The

sessions were led by **Sri. G. S. Sivakumar Reddy garu**, Superintendent Engineer at the Central Designs Organisation, Water Resources Department, Vijayawada, whose decades of expertise enriched the academic experience of the students. The morning session focused on innovations such as smart irrigation systems, integrated basin management, remote sensing applications, and the use of GIS in hydrological studies.

The afternoon session explored pressing contemporary challenges including climate change impact on water availability, urban flood management, sustainable planning, and policy frameworks. Throughout the sessions, students engaged actively, posed relevant questions, and showed enthusiasm toward exploring research and project ideas in the field. The event successfully bridged the gap between academic learning and practical industry insights.

The Department of Civil Engineering extends its heartfelt gratitude to **Sri. G. S. Sivakumar Reddy garu** for his invaluable contribution, and to **Dr. V. Mallikarjuna**, Head of the Department, for his vision and constant encouragement. Special appreciation goes to **Mr. Haroon Ali Khan**, ASCE Faculty Coordinator, for meticulously planning and organizing the workshop, ensuring its success, and fostering an environment of learning and inspiration for all 108 student participants.

Outcome of the Workshop:
The students gained valuable insights into the evolving trends and technologies in Water Resources Engineering. The sessions inspired many students to take up innovative projects and research ideas in the field. The interactive nature of the workshop encouraged active student participation and knowledge exchange.

Photos:

GUEST DELIVERING LECTURE

GUEST DELIVERING LECTURE

Dr. V. MALLIKARJUNA, CIVIL DEPARTMENT HOD PRESENTING MOMENTO TO Sri. G. S. SIVAKUMAR REDDY,SUPERINTENDENT ENGINEER, CENTRAL DESIGNS ORGANISATION WATER RESOURCES DEPARTMENT, VIJAYAWADA

POSTER

సాంకేతికత అందిపుచ్చుకుంటే ఫలితం

కానూరు, న్యూస్‌టుడే: విద్యార్థులు సాంకేతిక పరిజ్ఞానాన్ని అందిపుచ్చుకోవాలని విజయవాడ వాటర్ రిసోర్సెస్ డిపార్టుమెంటు ఎస్ఈ జీఎస్.శివకుమార్‌రెడ్డి అన్నారు. మంగళవారం సిద్ధార్థ అకాడమీ ఆఫ్ హయ్యర్ ఎడ్యుకేషన్ డీమ్డ్ టూబీ విశ్వవిద్యాలయంలో కేఎల్‌రావు 124వ జయంతిని పురస్కరించుకుని.. ఏఎస్‌సీఈ స్టూడెంట్ ఛాప్టర్ నేతృత్వంలో వాటర్ రిసోర్సెస్ రంగంలో రీసెంట్ ట్రెండ్స్ అనే అంశంపై సదస్సు నిర్వహించారు. ఆయన మాట్లాడుతూ.. నీటివనరుల రంగంలో ప్రాజెక్టుల రూపకల్పన చాలా కీలకమన్నారు. సివిల్ విభాగానికి చెందిన విద్యార్థులు, విభాగాధిపతి వి.మల్లికార్జునరావు, ఏఎస్‌సీఈ ఫ్యాకల్టీ కోఆర్డినేటర్ హరూన్ అలీఖాన్ తదితరులు పాల్గొన్నారు.

నీటి వినియోగంపై అవగాహన పెరగాలి

కానూరు, జూలై 15 (ఆంధ్రజ్యోతి) : విద్యార్థులకు నీటి వినియోగంపై అవ గాహన పెరగాల్సిన అవసరం ఎంతైనా ఉందని విజయవాడ సెంట్రల్ డిజైన్స్ ఆర్గనైజేషన్ వాటర్ రిసోర్సెస్ విభాగం సూపరింటెండెంట్ ఇంజనీర్ జీఎస్ శివకుమార్‌రెడ్డి అన్నారు. కానూరులోని సిద్ధార్థ డీమ్డ్ యూనివర్సిటీలో డిపార్టుమెంట్ ఆఫ్ సివిల్ ఇంజనీరింగ్, ఏఎస్‌సీఈ స్టూడెంట్స్ చాప్టర్ ఆధ్వర్యంలో డాక్టర్ కేఎల్ రావు 124వ జయంతి సందర్భంగా మంగళవారం వాటర్ రిసోర్సెస్ రంగంలో రీసెంట్ టెరెండ్స్‌పై వర్కుషాప్ జరిగింది. ఈకార్యక్రమానికి ముఖ్యఅతిథిగా హాజ రైన జీఎస్ శివకుమార్‌రెడ్డి ప్రసంగిస్తూ విద్యార్థులకు నీటి వినియోగంపై ఆధునిక సాంకేతికతలు, ప్రాజెక్టుల రూపకల్పనపై నైపుణ్యం ఉండాలని సూచించారు. కార్యక్ర మంలో ఏఎస్‌సీఈ ఫ్యాకల్టీ కో-ఆర్డినేటర్ హరూర్ ఆలీ ఖాన్, సివిల్ ఇంజనీరింగ్ విభాగం హెడ్ డాక్టర్ వి. మల్లికార్జునలు పాల్గొన్నారు.

నీటి వనరులపై అధ్యయనం అవసరం

పెనమలూరు: నీటి వనరుల రంగంలో ఆధునిక సాంకేతిక విధానాలపై విద్యార్థులు పరిశోధనలు చేయాలని సెంట్రల్ డిజైన్ ఆర్గనైజేషన్ సూపరింటెండెంట్ ఇంజినీర్ జీఎస్.శివకుమార్‌రెడ్డి అన్నారు. కానూరు వీఆర్ సిద్ధార్థ ఇంజినీరింగ్ కాలేజీలో మంగళవారం డాక్టర్ కేఎల్.రావు 124వ జయంతి కార్యక్రమం సందర్భంగా సివిల్ డిపార్టుమెంట్ ఆధ్వర్యంలో వాటర్ రిసోర్స్ రంగంలో రీసెంట్ ట్రెండ్స్ అనే అంశంపై జరిగిన సదస్సులో ఆయన పాల్గొని ప్రసంగించారు. ప్రాజెక్టుల రూపకల్పనపై దృష్టి పెట్టాలని సూచించారు. సివిల్ హెచ్ఓడీ డాక్టర్ వి.మల్లిఖార్జున, కోఆర్డినేటర్ హరూన్ ఆలీఖాన్, విద్యార్థులు పాల్గొన్నారు.

NEWSPAPER COVERGAGE

One-Day Workshop on "Recent Trends in Water Resources Engineering" by "Sri. G. S. Sivakumar Reddy", Superintending Engineer, Central Designs Organization, Water Resources Department, Vijayawada on 15/07/2025

S.No.	Roll No.	Name	Section	Signature
1	248W5A0127	M. Anil Kumar	B	
2	248W5A0124	B. Rahul	B	
3	248W5A0128	D. Sruthil	B	
4	248W5A0134	M. pravin	B	
5	248W5A0133	M. Chaitanya	B	
6	238W1A0155	A. Bhanuprakash	B	
7	238W1A0181	M. Ranjacheran	B	
8	238W1A0187	P. Azeem khan	B	
9	238W1A0173	K. Prasanth	B	
10	238W1A0153	Abdul Saneer	B	
11	238W1A0194	T. Prem Kumar	B	
12	238W1A0183	M. Abhishek	B	
13	238W1A0165	G. Srikanth	B	
14	238W1A0166	G. Kiran kumar	B	
15	238W1A0188	P. Nitheesh	B	
16	238W1A0183	P. Ganeshbabu	B	
17	248W5A0129	G. N. Venkatesh	B	
18	248W5A0130	G. Dharma Teja	B	
19	248W5A0135	P. Swath Kumar	B	
20	248W5A0125	CH. NANI	B	
21	248W5A0139	V. Karthik	B	
22	238W1A0179	M. Sejal	B	
23	238W1A0180	M. Jaswanth	B	
24	238W1A0168	G. Avinash	B	
25	238W1A0157	A. Ahmed	B	
26	248W5A0116	S. Teja Tejumalesh	A	
27	238W1A0162	D. Pruthvi Prashanth	B	
28	238W1A0158	G. Venkatesh Pramod	B	
29	238W1A0161	CH. Raj kumar	B	
30	238W1A0191	R. V. Praneeth	B	

One-Day Workshop on "Recent Trends in Water Resources Engineering" by "Sri. G. S. Sivakumar Reddy", Superintending Engineer, Central Designs Organization, Water Resources Department, Vijayawada on 15/07/2025

S.No.	Roll No.	Name	Section	Signature
1	238W1A0107	B. Kavya Sri	A	
2	238W1A0113	G. Divya	A	
3	238W1A0132	P. Sravanthi	A	
4	238W1A0142	Suma latha. G	A	
5	238W1A0126	T. Vasanthi	A	
6	238W1A0149	V. Sravani	A	
7	238W1A0151	V. Sahithya	A	
8	248W5A0114	R. Sushmitha	A	
9	248W5A0112	B. Pavitra	A	
10	238W1A0114	K. Bhuvaneshwari	A	
11	238W1A0101	A. Maheswari	A	
12	238W1A0118	K. Anusha	A	
13	238W1A0111	D. Leelaranjanee	A	
14	238W1A0122	Marri. Dharani Sri	A	
15	238W1A0115	K. Teja Sri	A	
16	248W5A0123	A. Gowri Srivalli	B	
17	248W5A0127	Ch. Pavani	B	
18	248W5A0138	P. Aswani	B	
19	238W1A0154	A. Alekhya	B	
20	238W1A0181	P. Jyothsna	B	
21	238W1A0131	J. Lakshmi	B	
22	248W5A0132	K. Jahnavi	B	
23	248W5A0117	SK. BANU	B	
24	248W5A0119	S. Vaitha	B	
25	248W5A0108	P. Revathi	A	
26	248W5A0118	T. Satya	A	
27	248W5A0120	V. Tharangini	B	
28	238W1A0178	V. Akshaya	B	
29	238W1A0182	y. vijayalakshmi	B	
30	238W1A0141	V Sri Vaishni	B	
31	238W1A0160	B. Pooja Sri	B	

One-Day Workshop on "Recent Trends in Water Resources Engineering" by "Sri. G. S. Sivakumar Reddy", Superintending Engineer, Central Designs Organization, Water Resources Department, Vijayawada on 15/07/2025

S.No.	Roll No.	Name	Section	Signature
1	238W1A0106	B. Sobhu	A	
2	238W1A0138	P. Arun	A	
3	238W1A0139	K. Ravi teja	A	
4	238W1A0140	S. Satya Gulesh	A	
5	238W1A0123	M. Vinayak	A	
6	238W1A0103	B. Abhiram	A	
7	238W1A0143	T. Cauby	A	
8	238W1A0124	M Jayakishan Rao	A	
9	238W1A0141	Sk. Sallik	A	
10	238W1A0148	U. Sivamani	A	
11	238W1A0117	K. Bhavishan	A	
12	238W1A0112	C. Teja	A	
13	238W1A0135	P. Manikanta	A	
14	238W1A0134	P. Sandeep	A	
15	238W1A0133	P. Bhanu prakash	A	
16	238W1A0103	A. Harsha Vardhan	A	
17	248W5A0110	P. Purushottam	A	
18	248W5A0107	M. N. G. Varma	A	
19	238W1A0137	R. Ranjakakhil	A	
20	248W5A0106	M. Narendra	A	
21	238W1A0119	K. Saibaba	A	
22	238W1A0145	T. Venkata Samuth	A	
23	248W5A0107	Pathan Shahin	A	
24	248W5A0105	K. Ramesh	A	
25	248W5A0101	K. Kiran babu	A	
26	248W5A0115	Sk. Subhan	A	
27	248W5A0119	T. Narendra	A	
28	248W5A0104	K. Adilya	A	
29	238W1A0109	D. Mohith Venkat sai	A	
30	238W1A0146	T. Manikanta	A	

One-Day Workshop on "Recent Trends in Water Resources Engineering" by "Sri. G. S. Sivakumar Reddy", Superintending Engineer, Central Designs Organization, Water Resources Department, Vijayawada on 15/07/2025

S.No.	Roll No.	Name	Section	Signature
1	238W1A0176	J. Pradeep Teja	CE-2	
2	238W1A0169	Akshay	CE-2	
3	238W1A0175	Prasad	CE-2	
4	238W1A0159	B. Mukesh	CE-2	
5	238W1A0189	P. Raghu	CE-2	
6	238W1A0197	V. Poloonay	CE-2	
7	248W5A0126	Chinni Abhishek	CE-2	
8	248W5A0138	S. Durga Prasad	CE-2	
9	238W1A0164	G. Siva Sai kumar	CE-2	
10	238W1A0174	K. Jaswanth	CE-2	
11	238W1A0117	J. Shankar	CE-2	
12	238W1A0145	M. Saimadhu Reddy	CE-2	
13	238W1A0182	R. Mathews	CE-2	

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S.No.	Roll No.	Name	Section	Signature
1	238W1A0192	S. Dhanalakshmi	B	
2	238W1A0199	V. SRAVYA	B	
3	238W1A0185	P. Siva gayathri	B	
4	238W1A0140	V. Sriya	B	

One-Day Workshop on "Recent Trends in Water Resources Engineering" by "Sri. G. S. Sivakumar Reddy", Superintending Engineer, Central Designs Organization, Water Resources Department, Vijayawada on 15/07/2025

S.No.	Name of Faculty	Designation	Signature
1	Dr. Lakshmikeerthi	Associate Prof	
2.	G. Vinuenth	Asst Prof	
3.	Dr. Yarlagadda Suma	Asst Prof	
4.	Dr. Ch. R.V. Prasad	Associate Professor	
5.	Dr. N. Mallika	Asst. professor	
6	Dr T. Sujatha	Asst. professor	
7	Dr. P. K. Prasad	"	
8	Dr. B. Venkat Rao	Asst. professor	
9	Dr. Mary Geetha	Associate professor	
10.	Dr. G.V. Ramana Rao	Associate Professor	
11	Dr. S. R. Reddy	Asst. Prof	
12	Dr. M. Kamala	Asst Professor	
13	Dr. K. Hemavathi	Asst. Prof.	
14.	G. Nipun	Asst. Prof.	

HEAD OF THE DEPARTMENT
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VIJAYAWADA-520007.

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Vijayawada – 520007, AP. www.vrsiddhartha.ac.in\ce

Title	Outreach Program – Career Compass: Guiding the Future
Date	28th July 2025
Venue	ZP High School, Penamaluru
Beneficiaries	10th Class Students (30-40)

Highlights:

The ASCE VR Siddhartha Student Chapter organized an outreach program titled **"Career Compass: Guiding the Future"** on 28th July 2025 at ZP High School, Penamaluru, Vijayawada. The primary aim of the program was to guide 10th-grade students in exploring potential career paths and to inspire them to pursue higher education with confidence and clarity. The session featured motivational talks by ASCE student officers and the faculty coordinator, accompanied by a comprehensive presentation on the diverse educational streams available after 10th grade. Students were introduced to various career options including engineering, medicine, diploma courses, and pathways through competitive examinations. Approximately 30-40 students actively participated, showing great enthusiasm and interest throughout the program. The school faculty appreciated the initiative and encouraged the continuation of such impactful sessions in the future. The outreach program was well-received and successfully achieved its goal of raising awareness and motivating young learners. The Department of Civil Engineering remains committed to organizing similar outreach initiatives to inspire and support school students in their academic and professional journeys.

Outcome of the Workshop:

Around 30–40 students from class 10 actively participated in the session. Students showed keen interest in learning about engineering streams, diploma courses, and entrance exams. Teachers at ZP High School appreciated the effort and requested for similar sessions in the future.

Photos:

ASCE Student Officer interacting with students

ASCE Student Officer Explaining about various opportunities to students

ASCE Faculty Coordinator briefing about career opportunities

Poster for outreach program

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Title	One week Hands-On Training Program On Signal Stacking Electrical Resistivity Meter (SSRM-ATS)
Date	7th-11th October 2025
Venue	Civil Engineering Seminar Hall
Resource person	Haroon Ali Khan, Assistant Professor
Beneficiaries	Civil Engineering Faculty & Technicians

Schedule:

Day	Sessions	Details
7th Oct	Morning	Inauguration, program objectives, and lecture on fundamentals of electrical resistivity and signal stacking principle.
	Afternoon	Introduction to SSRM components (C1, C2, P1, P2, console, battery, keypad, display) with emphasis on technical specifications and operational safety.
8th Oct	Morning	Theoretical session on electrode configurations (Wenner & Schlumberger), apparent resistivity, and depth of investigation.
	Afternoon	Practical demonstration of electrode installation, electrode spacing (AB/2, MN/2), and introductory outdoor exercises.
9th Oct	Morning	Hands-on field survey using SSRM: Conducting VES, setting up stacking cycles, and data acquisition.
	Afternoon	Continuation of field practice with focus on troubleshooting issues such as weak signals, grounding errors, and battery management.
10th Oct	Morning	Data handling: Storage, retrieval, and transfer of measurements through USB to personal computers.
	Afternoon	Training in IGIS Inverse Slope Software: Installation, interface walkthrough, resistivity curve plotting, and basic interpretation techniques.
11th Oct	Morning	Case studies on groundwater exploration, bedrock profiling, and environmental applications; group survey and data processing activity.
	Afternoon	Participant interaction and doubt clarification

Highlights:

Hands-On Training Program on the **Signal Stacking Resistivity Meter (SSRM-ATS)** is scheduled to be conducted from **7th to 11th October 2025**. Designed specifically for interested **Civil Engineering faculty members and technicians**, this training introduces participants to both the theoretical and practical aspects of electrical resistivity surveys. The SSRM-ATS is a sophisticated geophysical instrument widely used in subsurface investigations such as groundwater exploration, geotechnical site evaluation, and environmental studies. Its advanced signal stacking method offers the advantage of minimizing electrical noise, thereby ensuring accurate

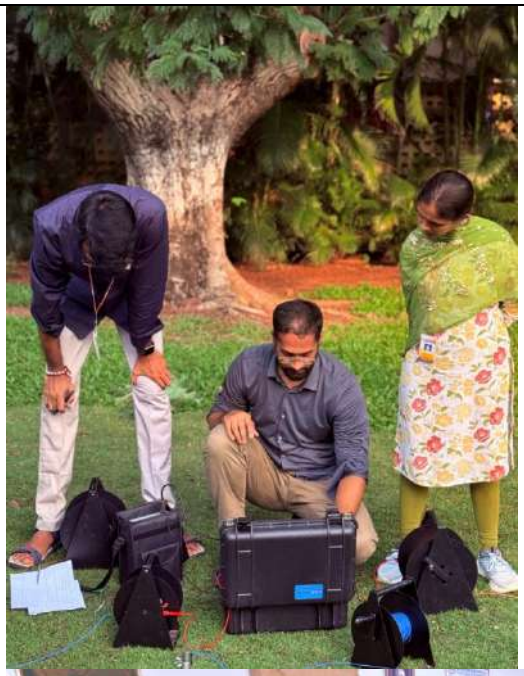
field data acquisition, even in complex terrains and noisy conditions.

The training program has been planned to offer a balanced mix of lectures, fieldwork, and data analysis sessions, ensuring participants become proficient in both knowledge and application. It begins with fundamental concepts of resistivity methods and gradually advances to practical field surveys, software-aided data interpretation, and real-world case studies. Since the primary focus is on faculty members and technicians from civil engineering backgrounds, the content has been structured to meet the dual requirement of academic teaching utility as well as applied field practice, thus enhancing teaching quality and professional expertise.

Participants will gain hands-on exposure to electrode configurations such as Wenner and Schlumberger arrays, learn how to carry out **Vertical Electrical Soundings (VES)**, and troubleshoot common field difficulties. In addition, the program emphasizes skills in transferring and processing the collected data on computers and performing interpretation using **IGIS Inverse Slope Software**, enabling participants to derive subsurface profiles from apparent resistivity curves. This exposure will give them the confidence to apply these techniques directly in groundwater studies, foundation depth analysis, and environmental monitoring projects.

By the end of the five-day program, participants will have acquired both conceptual clarity and practical confidence in using the SSRM-ATS. They will be able to conduct independent resistivity surveys, process and analyze survey data accurately, and interpret subsurface conditions with the help of IGIS software. Importantly, this program emphasizes professional skill enhancement for **Civil Engineering faculty and technicians**, enabling them to integrate resistivity survey methods into both academic instruction and applied engineering projects. The training therefore represents an excellent opportunity to strengthen applied geophysical knowledge and field competency in the civil engineering community.

Photos:

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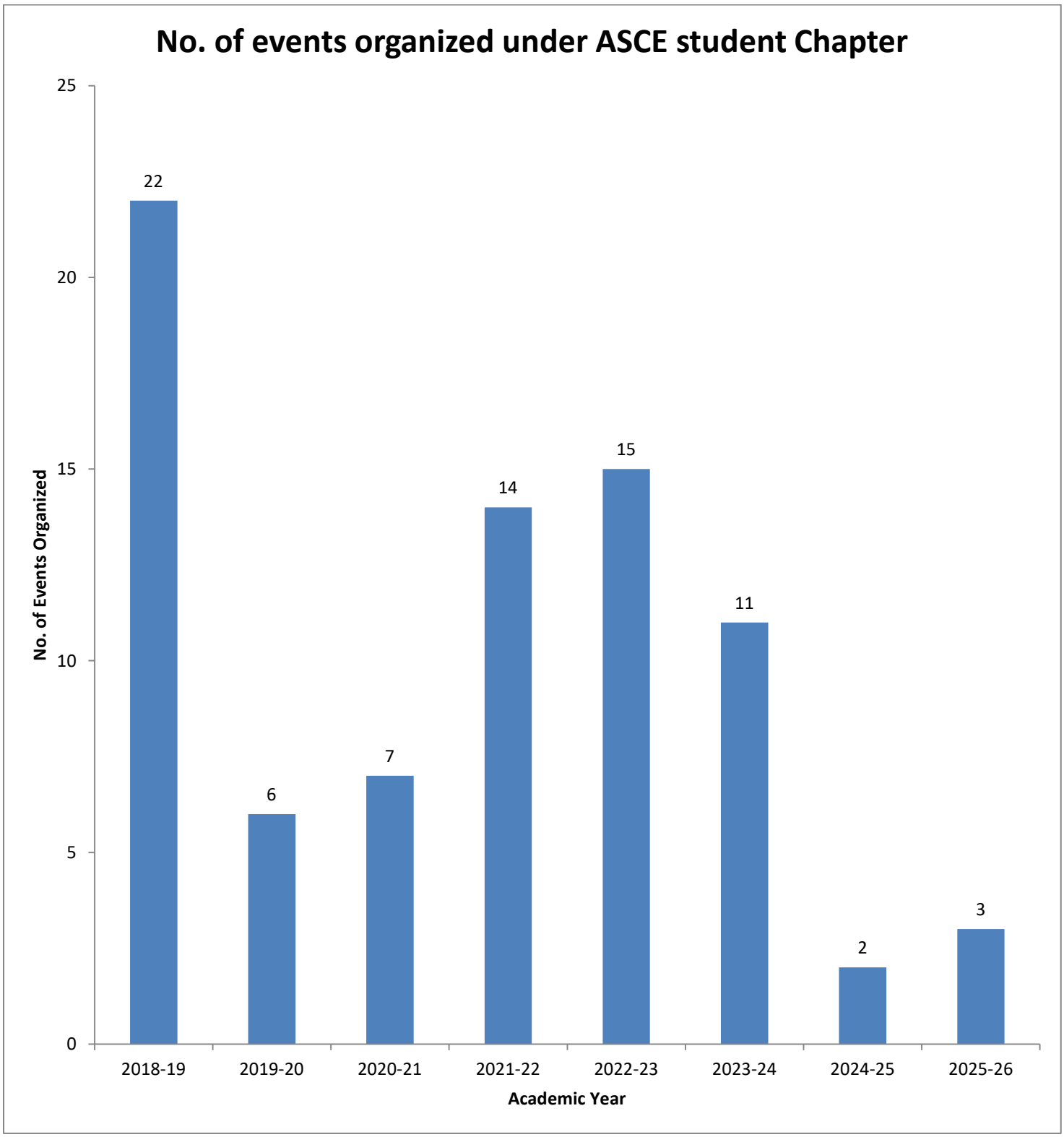
ASCE
STUDENT CHAPTER
Siddhartha Academy of Higher Education
American Society of Civil Engineers (ASCE) Student Chapter
is organizing
One Week Hands-on Training Workshop on
Signal Stacking Resistivity Meter
07 - 11
October 2025
Venue: Geology Lab, Civil Department
Time: 3:00PM - 5:00PM
For Faculty & Technicians

One week Hands-On Training Program on
Signal Stacking Electrical Resistivity Meter (SSRM-ATS)

List of Faculty and Technicians participated for the training program:

S#	Name of Faculty	7/10/2025	8/10/2025	9/10/2025	10/10/2025	11/10/2025
1	Dr. G. Vinay Kumar					
2	Dr. U.V. Narayana Rao					
3	Dr. B. Venkat Rao					
4	Dr. Y. Suma					
5	Sri S. Satish					

S#	Name of Technician	7/10/2025	8/10/2025	9/10/2025	10/10/2025	11/10/2025
1	K. A. Raju					
2	K. Srinivas					
3	V. Lakshmi Ganesh					
4	K. Murali					
5	K. Vinay Kumar					


No. of events organized under ASCE student Chapter
No. of Events Organized
25
20
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2018-19
2019-20
2020-21
2021-22
2022-23
2023-24
2024-25
2025-26
Academic Year

Inward No.VRSSE/ 1478

Date: 06.03.26

Siddhartha Academy of Higher Education
(Deemed to be University)
Vijayawada-520 007.
INWARD No : 1421
DATE : 06/03/2026

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

05.03.2026
Vijayawada

To
The Registrar,
Siddhartha Academy Higher Education,
(An institution deemed to be university).
Vijayawada.

Sub: Requesting Permission to Conduct a **One-day Workshop on "Industry-Oriented Workshop on Analysis and Design of PEB Structures" -Reg.**

(Through Proper Channel)

Respected Sir,

We propose to organize a one-day workshop titled **"Industry-Oriented Workshop on Analysis and Design of PEB Structures"** under the **ASCE Students Chapter** on **23rd March 2026**, from **9:30 AM to 4:30 PM**. The workshop will be conducted by **Mr. Mohammad Rahmatulla, Design Engineer, PEBs, Pennar Industries Limited, Hyderabad**, who has significant industry experience in the analysis and design of Pre-Engineered Buildings. In this regard, we kindly request your permission to conduct the workshop on the above-mentioned date for the benefit of our students both UG&PG.

We also request approval for an **honorarium of ₹6,000** to the resource person and **₹10,000 towards travel and accommodation expenses**. The **total amount of ₹16,000 (Rupees sixteen thousand only), excluding GST**, may kindly be permitted and released.

We would be grateful for your approval to proceed with organizing this workshop.

Thanking you,

Yours sincerely

Dr.P.K.Prasanna,
Assistant Professor,
Department of Civil Engineering,
VRSEC, Vijayawada.

Forwarded.

PROFESSOR & HEAD 6/3/26
DEPARTMENT OF CIVIL ENGINEERING
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(An Institution Deemed to be University)
VIJAYAWADA-520007.

6/3/26
DEAN
Velagapudi Ramakrishna
Siddhartha School of Engineering
Siddhartha Academy of Higher Education
(Deemed to be University)
Vijayawada-520 007.

One-day Workshop on "Industry-Oriented Workshop on Analysis and Design of PEB Structures"
On 23rd March 2026
Under the **ASCE Students Chapter**

Organized by
Department of Civil Engineering
VR Siddhartha School of Engineering

SIDDHARTHA
ACADEMY OF HIGHER EDUCATION
(Deemed to be University)

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Sri KV Chowdary, IRS
Chancellor, SAHE

Patrons
Prof P Venkateswara Rao,
Vice Chancellor, SAHE

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

Prof B Panduraranga Rao
Director, Infrastructure & Consultancy

Prof D Venkat Rao, Dean, VRSSE

Convenor
Dr V Mallikarjuna, HoD, Civil

Coordinator
Dr .P.K.Prasanna , Assistant Professor, CED

BACKGROUND

Pre-Engineered Buildings (PEB) have become a popular choice in modern construction due to their cost-effectiveness, faster construction time, and efficient structural performance. They are widely used in industrial buildings, warehouses, factories, and commercial structures. With the increasing demand for skilled professionals in the PEB industry, it is essential for students and engineers to gain practical knowledge of PEB analysis and design. The "Industry-Oriented Workshop on Analysis and Design of PEB Structures" aims to bridge the gap between academic learning and industry practices by providing participants with insights into modern design techniques, software applications, and real-world engineering practices used in the PEB sector.

OBJECTIVE

To provide participants with fundamental knowledge of the analysis and design principles of Pre-Engineered Building (PEB) structures. To enhance their practical understanding of industry practices and modern tools used in PEB structural design.

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 24, 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:

Mr Mohammed Rahamatulla, , Design Engineer, PEBs, Pennar Industries Limited, Hyderabad

CONTACT:

Dr P.K.Prasanna
Assistant Professor
9440174488"

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25.03.2026
Vijayawada

Report on One-Day Workshop

"Industry-Oriented Workshop on Analysis and Design of PEB Structures"

Introduction

A one-day workshop on **"Industry-Oriented Workshop on Analysis and Design of Pre-Engineered Building (PEB) Structures"** was successfully conducted with the objective of bridging the gap between academic learning and industrial practices. The workshop aimed to provide participants with practical exposure to modern design techniques, analysis methods, and real-world applications of PEB structures.

Objectives of the Workshop

- To introduce participants to the fundamentals of Pre-Engineered Buildings (PEBs).
- To provide insights into industry-oriented design practices.
- To enhance knowledge on structural analysis using modern tools.
- To familiarize participants with relevant design codes and standards.
- To encourage practical understanding through case studies and examples.

Date and Venue

- **Date:** 23.3.2026
- **Venue:** CE Seminar Hall, Department of Civil Engineering

Target Audience

The workshop was attended by:

- Undergraduate and postgraduate civil engineering students
- Faculty members

Resource Person

Mr. Mohammad Rahmatulla, Design Engineer, PEBs, Pennar Industries Limited, Hyderabad,

The workshop featured expert speaker from industry:

- Structural design engineers specializing in PEB systems
- Industry professionals with experience in large-scale steel structures

He shared practical knowledge, real-time project experiences, and insights into current industry trends.

Workshop Highlights

Session 1: Introduction to PEB Structures & Design Philosophy and Standards

- Definition and concept of Pre-Engineered Buildings
- Advantages over conventional steel structures
- Components of PEB systems (primary members, secondary members, cladding, etc.)

Limit state design approach

- Overview of relevant codes (IS codes and international standards)
- Load considerations: dead load, live load, wind load, seismic load

Session 2: Structural Analysis of PEB, Design of PEB Components & Practical Case Studies

- Analytical methods for PEB frames
- Use of software tools for modelling and analysis
- Load combinations and design checks
- Design of rafters, columns, and purlins
- Connection design (bolted and welded connections)
- Optimization techniques for economical design

Real-life industrial building examples:

- Discussion on challenges faced during execution
- Cost efficiency and time-saving aspects

Key Learning Outcomes

Participants gained:

- Understanding of PEB concepts and applications
- Knowledge of structural design and analysis procedures
- Exposure to industry practices and software tools
- Ability to interpret design outputs and optimize structures
- Awareness of current trends in steel construction

Feedback from Participants

Participants expressed that:

- The workshop was highly informative and practical
- Industry-oriented sessions were particularly beneficial

Photographs


GPS Map Camera
Kanuru, Andhra Pradesh, India
Chalasani Nagar, Kanuru, Andhra Pradesh 520007, India
Lat 16.485706° Long 80.693663°
Monday, 23/03/2026 10:49 AM GMT +05:30
Google


GPS Map Camera
Kanuru, Andhra Pradesh, India
Chalasani Nagar, Kanuru, Andhra Pradesh 520007, India
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Chalasani Nagar, Kanuru, Andhra Pradesh 520007, India
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Monday, 23/03/2026 10:48 AM GMT +05:30
Google

WORKSHOP FEED BACK FORM - PEB STRUCTURES

* Indicates required question

Email*

Record **prasannace@vrsiddhartha.ac.in** as the email to be included with my response

ROLL NUMBER*

NAME OF THE STUDENT*

Workshop Evaluation

Please rate the following aspects on a scale of **1 to 5**

(1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent)

	Column 1
Row 1	
Row 1	

Content quality:

*

1
2
3
4
5

Speaker clarity: *

1
2
3
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Practical usefulness:*

1
2
3
4
5

Overall experience: *

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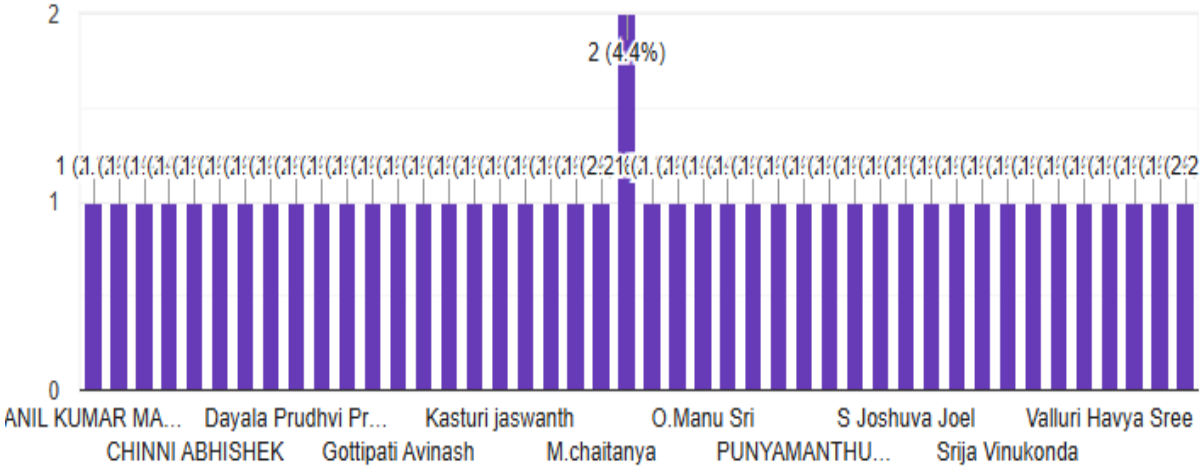
4
5

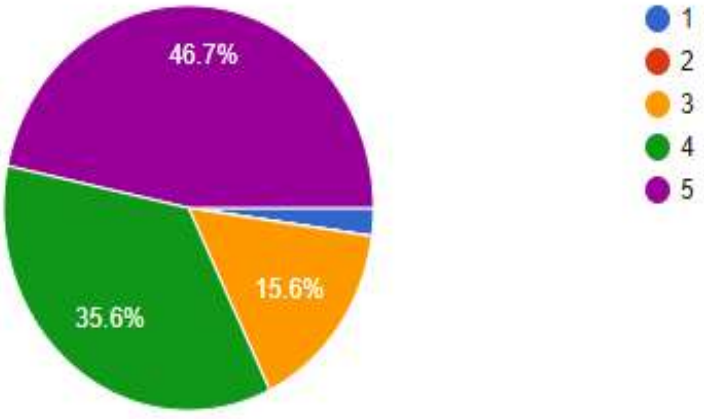
Suggestions for future workshops:



Please rate the following aspects on a scale of **1 to 5**
(1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent)

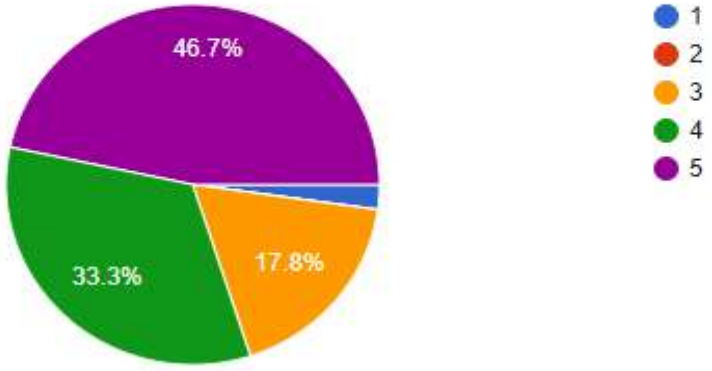
Content quality:

45 responses



Speaker clarity:

45 responses



Overall experience:

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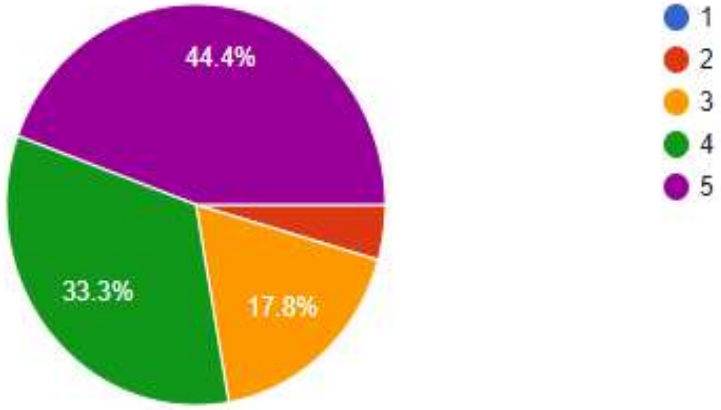

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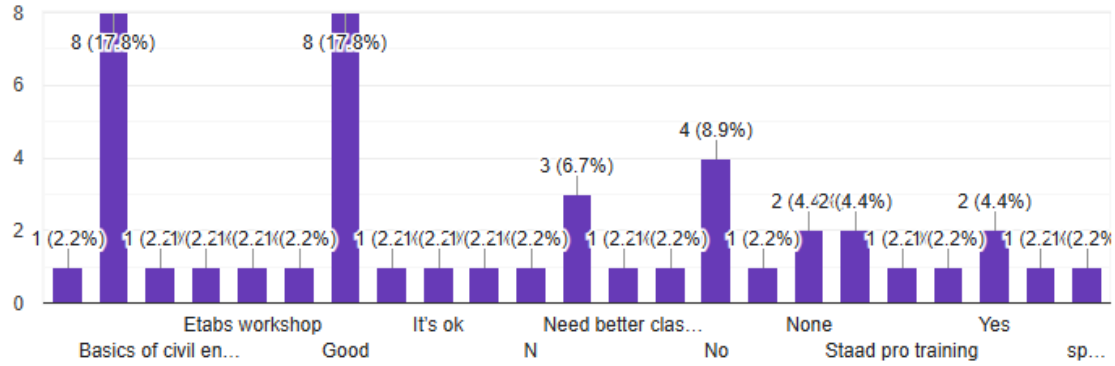
Suggestions for future workshops:

45 responses



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91 866 2582333
866 2582334
866 2582335

(2)

DEPARTMENT OF CIVIL ENGINEERING

One Day Workshop on "Industry-Oriented Workshop on Analysis and Design of PEB Structures"

23.03.2026

Sl. No	Roll No	Student	Signature
1	238W1A0166	G. Kiran kumar	G. Kiran kumar
2	248W5A0134	M. praveen	M. Praveen
3	248W5A0110	P. Purushottam	P. Purushottam
4	248W5A0128	D. Akhil	D. Akhil
5	238W1A0133	P. Bhanu prakash	P. Bhanu
6	238W1A0113	G. Divya	G. Divya
7	238W1A0150	V. Edukondalu	V. Edukondalu
8	238W1A0108	Ch. Manideep	
9	238W1A0112	G. Siva Thanush Teja	G. Teja
10	238W1A0121	M. Ravi Bhaskar	M. Ravi
11	238W1A0109	D. Mohit venkat Sai	D. Mohit
12	248W5A0101	G. Jayaram Sai	G. Jayaram Sai
13	248W5A0126	Chinni Abhishek	Ch. Abhishek
14	238W1A0197	V. Pola Vinay	V.
15	248W5A0109	Pathan Ebrahim	Ebrahim
16	238W1A0148	U. Sivamani	U. Sivamani
17	238W1A0138	R. Arun.	R. Arun.
18	248W5A0119	T. Narender	T. Narender
19	238W1A0106	B. Srinu	B. Srinu
20	238W1A0174	K. Jaswanth	K. Jaswanth.
21	248W5A0102	K. Kiran babu	K. Kiran babu
22	238W1A0162	D. Pudhvi Prabanth	D. Prabanth
23	238W1A0161	CH. Rishikumar	CH. Rishi
24	248W5A0122	M. Anil kumar	M. Anil
25	238W5A0121	G. Pavani	G. Pavani

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91 866 2582333
866 2582334
866 2584930

(3)

DEPARTMENT OF CIVIL ENGINEERING

One Day Workshop on "Industry-Oriented Workshop on Analysis and Design of PEB Structures"

23.03.2026

Sl. No	Roll No	Student	Signature
1	238W1A0125	M. Somasekhar	
2	238W1A0180	M. Jaswanth	
3	238W1A0168	Guttipati Avinash	
4	238W1A0188	Proiteesh	
5	238W1A01A3	P. Ganesh	
6	248W6A0104	K. L. Adithya	
7	248W5A0105	K. Ramesh	
8	238W1A0123	M. Vinay	
9	248W5A0111	P. SUMITH ROY	
10	238W1A0135	P. Manikanta	
11	238W1A0146	T. Manikanta	
12	238W1A0137	R. Rangaiah Naik	
13	238W1A0119	K. Sai babu	
14	248W5A0115	SK. Subhani	
15	238W1A0139	R. Ravi teja	
16	238W1A0157	B. Moshe	
17	238W1A0176	K. P. M. V. Prasad	
18	238W1A0179	P. Raghu	
19	238W1A0171	K. Vinay	
20	238W1A0182	R. Mathews	
21	248P04001	Rachanapriya	
22	248P04003	Chandrasekar.	
23	248P04004	Premsai	
24	248P04005	Saiteja Reddy	
25	248P04006	Havya Sree	
	248P04007	Sravya Sree	

M.Tech 2nd year

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One Day Workshop on "Industry-Oriented Workshop on Analysis and Design of PEB Structures"

23.03.2026

Sl. No	Roll No	Student	Signature
1	238U1A0103	A. Harsha Vardhan	
2	238W1A0113	G. Divya	
3	248W5A0118	T. Satya	
4	248W5A0120	V. Dharmaja	
5	238W1A0111	D. Leelaanjaneee	
6	238W1A0112	M. Dharani Sri	
7	248W5A0123	A. Gowri Srivalli	
8	238W1A0160	B. Poojasri	
9	238W1A0154	A. Alekhya	
10	238W1A0138	V. Durga Akshaya	
11	238W1A0115	K. Tejasri	
12	238W1A0118	Amulya. Katari	
13	238W1A0142	Suma latha. Gogulamudi	
14	238W1A0107	B. Kavya Sri	
15	238W1A0114	K. Bhuvaneswari	
16	238W1A0149	V. Sravani	
17	238W5A0103	K. Manasa	
18	238W1A0142	Y. Vijayalakshmi	
19	238W1A0185	P. Gayathri	
20	248W5A0112	B. Ponnika	
21	248W5A0114	R. Sushmitha	
22	248W5A0137	SK. Balkhas	
23	25EP04002	O. Mani Sri	
24	25EP04004	M.Tech 1st yrs P. Moonika	
25	25EP04001	Ch. Hasith	
26	25EP04003	S. Joel	
27	25EP04005	D. Anand	
28	25EP04006	S. Tarun	

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FIELD VISIT REPORT ON

KONDAVEETI VAAGU LIFT IRRIGATION PROJECT & EXISTING PEB PUMP SHED STRUCTURE

Location: Vundavalli, Tadepalli, Guntur Dt. , Andhra Pradesh

Date of visit: 09.04.2026

III/IV B.Tech- Civil Engineering

Faculty coordinators:
Dr. P. K. Prasanna
Mr. G. Nipun

Organised by
Department of civil engineering
V R Siddhartha School of engineering
SIDDHARTHA ACADEMY OF HIGHER EDUCATION
(An Institution Deemed to be University)

Vijayawada

Tour Incharge	Faculty coordinators:	HOD
	Dr. P. K. Prasanna	
Dr. M. Kanta Rao	Mr. G. Nipun	Dr. V. Mallikarjuna

FIELD REPORT

ON

KONDAVEETI VAAGU LIFT IRRIGATION PROJECT & EXISTING PEB PUMP SHED STRUCTURE

Introduction

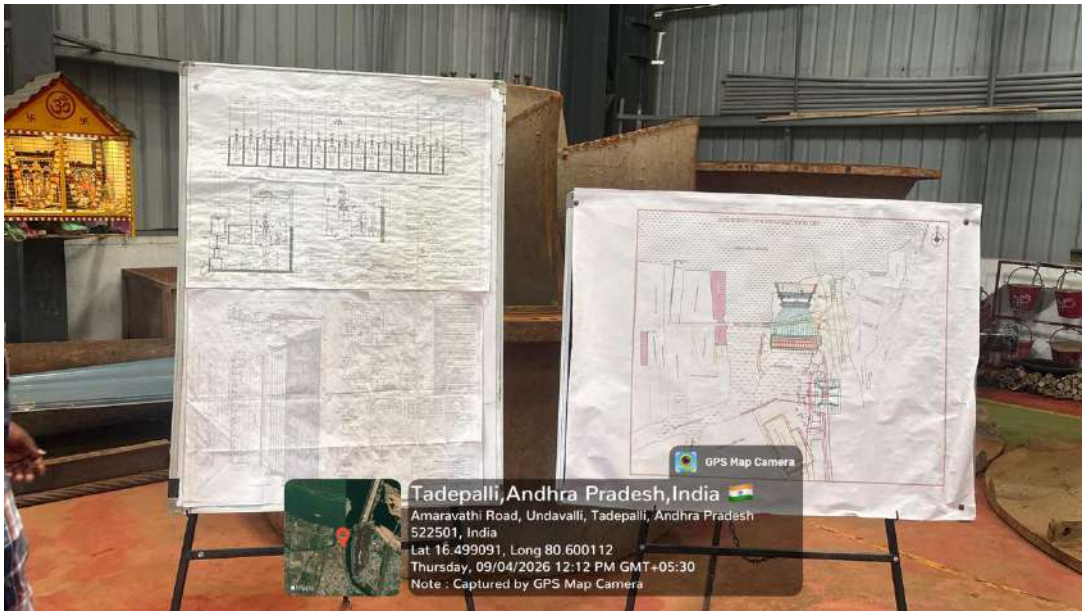
The Kondaveeti Vaagu Lift Irrigation Project is a unique flood management and water diversion scheme constructed near Amaravati, Andhra Pradesh. Unlike conventional irrigation projects, this system is primarily designed to **lift floodwater from low-lying areas and discharge it into the Krishna River and canals**, thereby preventing inundation of agricultural lands and urban areas.

The project plays a crucial role in protecting the capital region from flooding caused by the Kondaveeti Vaagu stream, historically known for submerging large areas during monsoons.

Objectives of the Field Visit

- To study the working of the lift irrigation system.
- To examine the structural and functional aspects of the pump house.
- To analyze the design and utility of the **PEB (Pre-Engineered Building) pump shed**.
- To understand flood mitigation strategies adopted in the project.
- To observe operational challenges and maintenance practices.

Project Overview

- **Location:** Near Undavalli / Tadepalli region, Andhra Pradesh
- **Purpose:** Flood control and water diversion
- **Total Cost:** Approx. ₹222 crore
- **Pumping Capacity:** ~5000–5250 cusecs
- **Number of Pumps:** 16 (with standby provision)
- **Pipeline Length:** ~1.4 km discharge system
- **Supporting Infrastructure:**
    - Pump house
    - Delivery pipelines
    - Regulator gates
    - 132/11 KV substation
    - Power transmission lines
    - 

Components Observed During Visit

Pump House

- Houses high-capacity pumps and motors.
- Each pump can lift approximately 350 cusecs of water.
- Includes standby systems for emergency operations.

Delivery System

- Multiple pipelines arranged in rows carry water to the discharge point.
- Designed to handle peak flood discharge safely.

Regulator & Control System

- Regulator gates prevent reverse flow and manage excess discharge.
- Electrical substation ensures uninterrupted power supply.

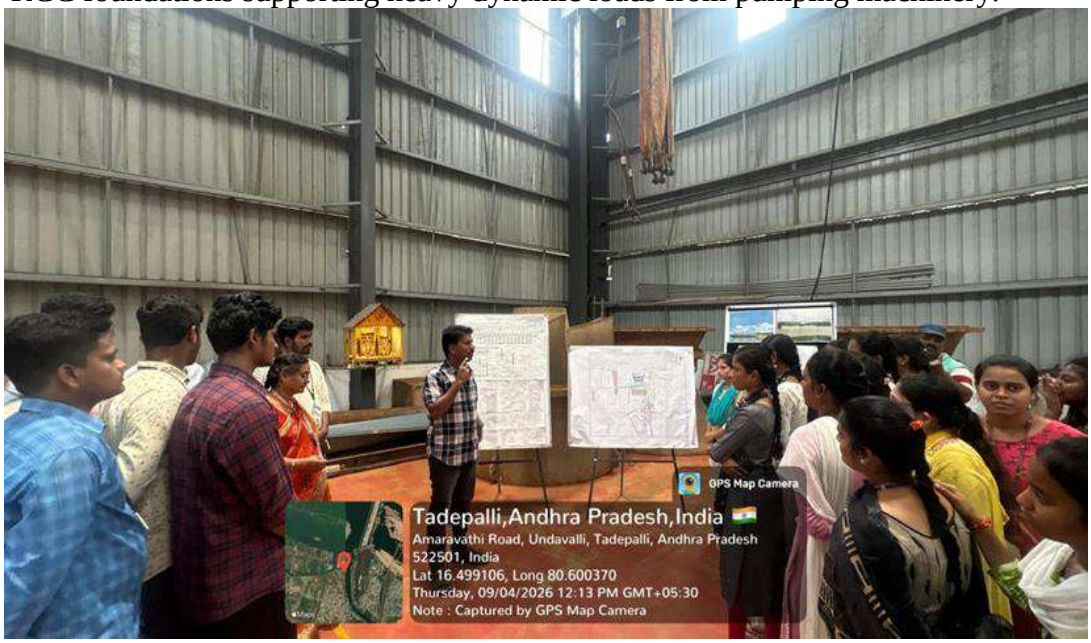
<u>Existing PEB Structure for Pump Shed</u>

Description

The pump shed is constructed using a **Pre-Engineered Building (PEB) structure**, which is widely used in industrial and infrastructure projects.

Key Features

- **Steel Frame Structure:**
  Fabricated steel columns and rafters designed for high load-bearing capacity.
- **Roofing & Cladding:**
  Galvalume/steel sheets used for roofing and wall cladding to resist corrosion and weather effects.

- **Large Clear Span:**
  Provides sufficient space for installation and maintenance of large pumps and motors.
- **Ventilation System:**
  Natural and mechanical ventilation to dissipate heat generated by motors.
- **Crane Provision:**
  EOT cranes or gantry systems may be provided for handling heavy equipment.
- **Foundation Integration:**
  Anchored to RCC foundations supporting heavy dynamic loads from pumping machinery.
- 

Advantages of PEB in Pump Shed

- Faster construction compared to conventional RCC structures
- Cost-effective and lightweight
- Easy maintenance and expansion
- Good resistance to environmental conditions
- Suitable for large-span industrial installations

Observations

- The lift irrigation system is highly effective in handling floodwaters.
- Pump house is well-equipped with modern machinery and backup systems.
- The PEB structure provides adequate space and structural efficiency for heavy equipment.
- Some maintenance issues like siltation in canals may require periodic attention.
- High energy consumption is a significant operational concern.

Outcomes of the Visit

- Gained understanding of **non-conventional lift irrigation (flood diversion)** systems.
- Learned about integration of **civil, mechanical, and electrical engineering** components.
- Observed practical application of **PEB structures in infrastructure projects**.
- Understood real-world challenges in large-scale water management systems.

ROLL-LIST			
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BRANCH	CIVIL	SEMESTER	3-2 SEMESTER
SECTION	B		

Sno	Roll No	Name	Gender
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M. Abhishek
P. Gayathri
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R. V. Praneeth
S. Dhanalakshmi
T. Rohith
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V. Pola Vinay
Durga akshaya
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Varshini
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ROLL-LIST			
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43	238W1A0148	ULLINDALA SIVA MANI	M
44	238W1A0149	UPPALA SRAVANI	F

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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

FIELD VISIT REPORT ON

Construction of Steel Girder Bridge under ASCE student chapter

Location: Vundavalli, Tadepalli, Guntur Dt. , Andhra Pradesh

Date of visit: 09.04.2026

III/IV B.Tech- Civil Engineering

Faculty coordinators:
Dr. P. K. Prasanna

Organised by
Department of civil engineering
V R Siddhartha School of engineering
SIDDHARTHA ACADEMY OF HIGHER EDUCATION
(An Institution Deemed to be University)

Vijayawada

Tour Incharge	Faculty coordinator:	HOD
Dr. M. Kanta Rao	Dr. P. K. Prasanna	Dr. V. Mallikarjuna

FIELD VISIT REPORT Construction of Steel Girder Bridge

(Organized under ASCE Student Chapter)

Introduction

The field visit to a steel girder bridge construction site was organized under the student chapter of American Society of Civil Engineers (ASCE). The visit aimed to provide practical exposure to bridge engineering concepts, construction techniques, and site management practices.

Steel girder bridges are widely used in highway and railway infrastructure due to their **high strength, durability, and ease of fabrication and erection**.

Objectives of the Visit

- To understand the structural components of a steel girder bridge
- To observe fabrication and erection processes of steel girders
- To study site execution methods and safety practices
- To gain knowledge of materials, connections, and quality control
- To interact with engineers and site supervisors

Overview of Steel Girder Bridge

A steel girder bridge consists of **longitudinal steel beams (girders)** that support the deck slab. The load from vehicles is transferred from the deck to the girders and then to piers and foundations.

Main Components

- Steel girders (plate girders / I-girders)
- Deck slab (RCC or composite)
- Bearings
- Piers and abutments
- Cross bracing and stiffeners

Activities Observed During the Visit

Fabrication of Steel Girders

- Girders are fabricated in workshops using steel plates.
- Welding is done using advanced techniques ensuring strength and durability.
- Quality checks like ultrasonic testing are conducted.

Transportation

- Fabricated girders are transported to the site using trailers.
- Proper handling is ensured to avoid deformation.

Erection Process

- Cranes are used to lift and place girders on bearings.
- Alignment and levelling are carefully checked.
- Temporary supports may be used during erection.

Deck Construction

- Formwork is placed over girders.
- Reinforcement is laid and concrete is poured to form the deck slab.

Connections

- Bolted and welded connections are used.
- High-strength friction grip (HSFG) bolts ensure rigidity.

Observations

- Steel girders provide excellent load-carrying capacity with reduced self-weight.
- Precision in fabrication and erection is crucial.
- Safety measures such as helmets, harnesses, and barricading were followed.
- Weather conditions can affect construction activities.
- Skilled labour and supervision are essential for quality work.

Outcome of the Visit

- Gained practical understanding of steel bridge construction.
- Learned about real-world challenges in bridge erection.
- Understood importance of quality control and safety practices.
- Improved knowledge of structural behaviour and load transfer mechanisms.
- Exposure to professional practices through ASCE activities.

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41	238W1A0144	THODETI VASANTHI	F
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44	238W1A0149	UPPALA SRAVANI	F

Mahalingam
Avinash.
A. Harsha vardhan.
B. Deepak.
B. Srinu.
B. Kavya Sri
Ch. Manideep
D. Mohith
D. Tejakranthi
D. Leela
Thanush
G. Divya
K. Bhuvana.
K. Sravani
K. Rajavardhan.
Amulya. K
L. Eshwar mouli
M. Ravi Bhaskar
M. Dharani sri
M. Vinayak.
MD. Humaira
N. Prasad.
P. Chittibabu
PAMARTHI
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P. Bhanuprakash
P. Sandeep
P. Manikanta.
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R. Arun
R. Rudhteja
G. Sumalatha..
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U. Sravani

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56	248W5A0135	PINNINTI SARATH KUMAR	M
57	248W5A0136	PUNYAMANTHULA ASWANI	F
58	248W5A0137	SHAIK BILKHIS	F
59	248W5A0138	SURLA LEELA VARA MANI DURGA PRASAD	M
60	248W5A0139	YELISETTI KARTHIK	M

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