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

ACCE (ASSOCIATION OF CONSULTING CIVIL ENGINEERS, INDIA) STUDENT CHAPTER

A.Y. 2025-26

LIST OF ACTIVITIES

S. No	Type of Event	Date	Event Name	Participants	Guest Speaker details (if available)
1	Seminar	12.08.25	Seminar on "Building the Future : Design, AI Tools & Career Growth in Construction"	119 UG Students	Mr. V Kartheek (2004-2008), Planning Manager, Omniyat, Dubai
2	Training Program	18.08.25 to 31.08.25	Two-week training Program on "Drone and DGPS Surveying"	5 Faculty and 6 Lab Technicians	M.Tej Sai Asst. Professor, SAHE
3	Value Added course	08.09.25-22.11.25	Value added course on "Railway Infrastructure: Basics and Essentials"	48 UG Students	S Satish, Assistant Professor, CED, VRSSE, Siddhartha Academy of Higher Education (Deemed to be University)
4	Workshop	12.11.25	workshop on "Disaster Management & Leadership – A Case Study"	150 UG Students	Major General Prof SS Dasaka, SM, VSM (Rtd)
5	Training Program	16.03.26 to 17.03.26	Two days training program on CHC NAV DGPS & Total Station	4 Faculty and 7 Lab Technicians	APT Survey Solutions Hyderabad & Sri Spectrum Instruments, Visakhapatnam
6	Guest Lecture	02.04.26	Motivation lecture on "How to Practice Engineering"	100 UG Students	Sri M Narayana Prasad Member Siddhartha Academy & M/s Narayana Prasad Electrical Works Vijayawada
7	Field Visit	24.01.26	Flexible pavement construction in University Campus at Indoor Stadium- Siddhartha Academy of Higher Education	20 UG Students	Dr B Panduranga Rao, Satish Sajja
8	Field Visit	11.04.26	Field Visit to "Open Web Steel Girder Rail Over Rail Bridge at Proposed bye pass line between Rayanapadu – Mustabada"	100 UG Students	Dr N Malathi, Satish Sajja

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Event	Seminar on ***"Building the Future: Design, AI Tools & Career Growth in Construction"***
Guest	Mr. V. V. Kartheek (Alumnus, 2004–2008), Planning Manager, Omniyat, Dubai Mr. Kartheek is a 2008 graduate of the Department of Civil Engineering, VR Siddhartha Engineering College. He currently serves as Planning Manager at Omniyat, Dubai, with a decade-plus experience across design coordination, project controls, and digital transformation initiatives for high-rise, commercial, and mixed-use developments in the GCC region. His core competencies include schedule management (Primavera P6), BIM-enabled coordination, earned value analysis, and risk-informed decision-making.
Date	12.08.2025
Beneficiaries	III/IV B. Tech students (119)
Highlights	**Objectives of the Seminar** • Help students learn about the latest trends in design and digital methods in construction. • Show useful AI tools and methods to improve planning, cost, and schedule control. • Give guidance on careers, jobs abroad, and skills needed to succeed in the construction industry. **Program Schedule** • 10:30 – 10:35 AM: Welcome Address & Introduction of the Speaker • 10:35 – 11:20 AM: Talk by Mr. Kartheek – Design, AI Tools & Project Controls • 11:20 – 11:45 AM: Career Growth & Global Opportunities in Construction • 11:45 – 12:05 PM: Q&A and Interactive Discussion • 12:05 – 12:15 PM: Felicitation & Vote of Thanks **Session Highlights:** Speaker Addressed • Shift from traditional 2D-centric delivery to BIM and integrated digital models. • Early-stage design coordination and clash detection to reduce rework and change orders. • Understanding of Project Cycle stages - Strategic definition, Concept, Schematic information, Detailed analysis, Delivery & Handover, Operation • Value engineering and constructability reviews aligned with sustainability and cost targets.

	• AI Tools & Practical Workflows in Construction • Skill Stack: Basics (Strength of Materials, Concrete Technology, Surveying) + Digital tools (AutoCAD, Revit, , Primavera/MSP) + fundamentals and Excel advanced • Certifications: Primavera P6, BIM/Autodesk certifications, OSHA/IOSH (for safety awareness) • Professional manners: Communication, documentation discipline, and cross-cultural teamwork for global assignments.

Poster

Distribution of memento to the Speaker

Speaker Delivering the Seminar

A Report on

Two-week Training Program on

"DGPS & Drone Survey"

Organized by ACCE(I) VRSEC Chapter

Date: 18.08.2025 to 31.08.2025

Resource Persons: Sri. M.Tej Sai, Asst. Professor, Dept. of Civil Engineering, SAHE

Audience: 5 Faculty & 6 Lab Technicians

Description:

This specialized training program is designed to equip participants with practical knowledge and hands-on skills in **Differential Global Positioning System (DGPS)** and **Drone-based Surveying** techniques. The program introduces modern geospatial technologies that are transforming the fields of land surveying, civil engineering, urban planning, agriculture, and infrastructure development.

Participants will learn the principles and applications of DGPS for achieving high-accuracy positioning, along with operational training on drones for aerial data collection and mapping. The course emphasizes real-world applications such as topographic surveys, contour mapping, volumetric analysis, monitoring, and site inspection.

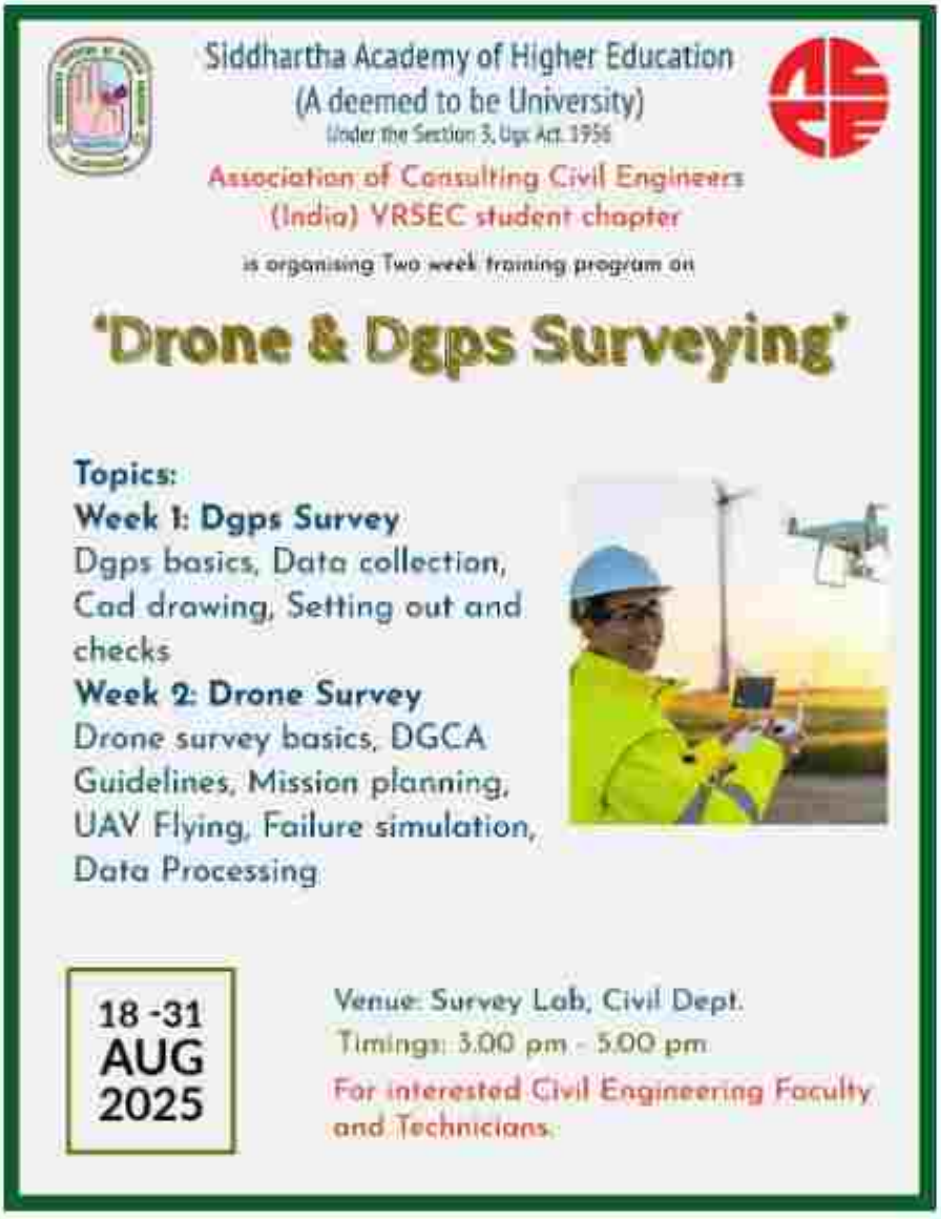
Contents:

Week	Description
Week 1	DGPS basics, Data Collection, Cad Drawing, Setting out and checks
Week 2	Drone survey basics, DGCA Guidelines, Mission planning, UAV flying, Failure simulation, Data processing

Outcome:

By the end of the training program, participants gained a clear understanding of DGPS technology and its role in achieving high-precision positioning, along with the knowledge to operate DGPS instruments effectively for field surveys. They are now able to plan and conduct drone-based surveys in compliance with safety and regulatory standards, collect aerial and ground-based geospatial data, and process it using specialized software to produce accurate maps, contour plans, DEMs, and 3D models. Participants had also developed the ability to interpret and validate survey results for practical applications in civil engineering, urban

planning, construction monitoring, agriculture, and resource management, thereby enhancing their professional competency in modern geospatial survey techniques.




KACCHAPI

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VALUE ADDED COURSE REPORT

Event	Value Added Course on Railway Infrastructure : Basics and Essentials by S Satish, Asst Professor, Dept of Civil Engineering
Date	08.09.25 to 22.11.25
Beneficiaries	4/4 UG Students (48)
Objectives	The course Railway Infrastructure: Basics & Essentials is designed to provide students with a strong foundation in railway engineering by introducing the fundamental concepts of railway systems, including the components and structure of the permanent way. It aims to develop an understanding of geometric design principles such as gradients, curves, and super elevation required for safe and efficient railway operations. Additionally, the course seeks to familiarize students with essential operational aspects such as points and crossings, signalling systems, interlocking, and station yard layouts in accordance with standard practices and guidelines.
Highlights	The course provided a comprehensive overview of fundamental and practical aspects of railway engineering. The course covered key topics such as the evolution and classification of railways, types of gauges, and detailed components of the permanent way including rails, sleepers, ballast, and formation. Emphasis was given to track behavior through concepts like creep of rails, rail failures, coning of wheels, and stresses in tracks. The geometric design of railway tracks was discussed in detail, including gradients, super elevation, cant deficiency, and transition curves for safe and efficient train movement. Further, the course introduced operational elements such as points and crossings, signalling systems, interlocking, and station yard layouts. An overview of RDSO rules and specifications was also provided, enabling students to understand standard practices followed in Indian Railways.
Outcome	Students have a clear understanding of railway track components and their functions, including rails, sleepers, ballast, and formation. They are capable of applying geometric design concepts such as gradient compensation, transition curves, and super elevation in railway track design. Students understood the working principles of points and crossings, signalling systems, and station yard classifications, and interpret standard specifications and recommendations followed in railway engineering practices.

BROCHURE

Value Added Course in

RAILWAY INFRASTRUCTURE: BASICS AND ESSENTIALS

08.09.25 to 22.11.25

Organized by
Department of Civil Engineering
VR Siddhartha School of Engineering

SIDDHARTHA
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Chief Patron
Sri KV Chowdary, IRS
Chancellor, SAHE

Patrons
Prof P Venkateswara Rao,
Vice Chancellor, SAHE

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

Prof B Panduranga Rao
Director, Infrastructure & Consultancy

Prof O Venkat Rao, Dean, VRSSE

Convenor
Dr V Mallikarjuna, HoD, Civil

Coordinator & Resource Person
SATISH SAILA, Assistant Professor, CED

BACKGROUND: Railway transportation plays a vital role in the economic development and connectivity of a country, offering an efficient, cost-effective, and sustainable mode for both passenger and freight movements. In India, the vast railway network forms the backbone of national infrastructure, requiring well-trained civil engineers with a sound understanding of railway systems and design principles. With increasing demand for modernization, high-speed corridors, and improved safety standards, there is a growing need to equip students with fundamental knowledge of railway engineering. The Value Added Course Railway Infrastructure: Basics & Essentials is introduced to bridge the gap between academic learning and industry requirements by providing essential insights into railway track components, geometric design, construction practices, and operational systems. It helps students gain practical exposure to railway specifications, including guidelines followed by Indian Railways, thereby enhancing their technical competence and employability in the field of transportation engineering.

OBJECTIVE: The course is designed to provide students with a strong foundation in railway engineering by introducing the fundamental concepts of railway systems, including the components and structure of the permanent way. It aims to develop an understanding of geometric design principles such as gradients, curves, and super elevation required for safe and efficient railway operations. Additionally, the course seeks to familiarize students with essential operational aspects, such as points and crossings, signalling systems, interlocking, and station yard layouts in accordance with standard practices and guidelines.

ABOUT VRSEC & SAHE: In 2014, VR Siddhartha Engineering College was declared as a constituent of 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 One self-financed engineering college in the composite state of Andhra Pradesh, offering 9 UG and 7 PG programs. We have student strength of 3420. Accredited by NBA since 1998 and recognized by Outcome based Education (Tier I) since 2013, we are ranked 151st 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 institute 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 310 faculty, including 154 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 some career guarantee for undertakers.

ABOUT CIVIL ENGINEERING DEPARTMENT

One of the oldest departments of the college, offers undergraduate and postgraduate degrees (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 Academe Linked Technical Institute. The department has state of the art structural laboratories to cater the needs of students, research and consultancy. The department has total faculty of 25, with 16 doctorates. The department takes pride in its highly experienced faculty specialized in all major specializations of Civil Engineering. It's UG has NAAC Accreditation.

Resource Person

SATISH SAILA
Asst Professor, Dept of CCE, VRSEC

COURSE CONTENT:

Introduction To Railways: Comparison of railway and highways transportation; Classification of Indian Railways, Gauges in Railway Track, Permanent way Cross section and functions

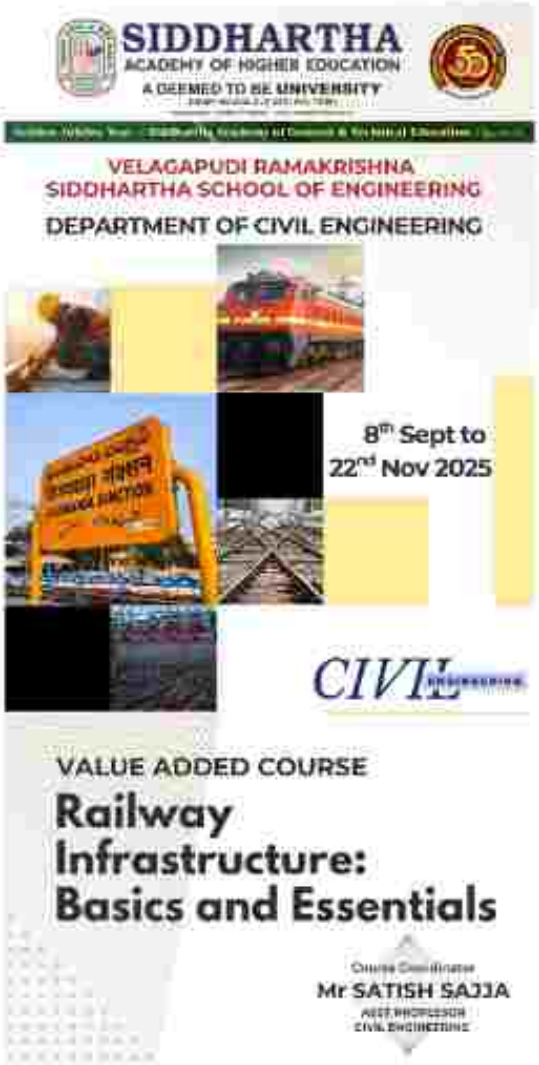
Components Of Railway Track : Rails – Types, Coning of Wheels, Rail failures, Creep of Rails, Rail Joints-Types, Sleepers -Types, Types of Ballast materials, Specifications of Indian Railways, Ballast Profile, Formation; Specifications of Formation

Geometric Design Of Railway Track Geometric Design Necessity; Gradients – types, Gradient Compensation; Super elevation- definition, expression for super elevation; Cant deficiency and cant excess; Negative Super elevation concept, Numerical on Negative super elevation, Types of Transition Curve, Length of Transition Curve, Vertical curve and gradients, Length of vertical curve.

Points And Crossings & Signalling Switches, Components and types of crossing, Turnouts components, Types and its working principle , Classification of signals-types , Interlocking

Station & Station Yards Classification , Applications Brief on RDSO Rules and Recommendations.

POSTER



CERTIFICATE

ATTENDANCE

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VALUE ADDED COURSE: RAILWAY INFRASTRUCTURE: BASICS AND ESSENTIALS

08.09.25 to 22.11.25, Course Coordinator: S Satish, Asst Professor, CED, VRSEC

S.No	Name of Participant	Reg Number	8/9/25	9/9/25	10/9/25	11/9/25	12/9	13/9	15/9	16/9	17/9	18/9	19/9	20/9
1	A Lavanya	22BW1A0502	A											
2	B Venkatesh	22BW1A0503			A		A							
3	B Anil	22BW1A0504		A										A
4	B Ganesh	22BW1A0505												
5	B Vishnuthi	22BW1A0506		A										
6	B Santosh	22BW1A0507												
7	CH Subash Paul	22BW1A0509	A											
8	D Selvam	22BW1A0510												
9	D Niharika	22BW1A0511			A									
10	D Om Prakash	22BW1A0512				A				A				
11	D Aman Vardhan	22BW1A0513												
12	J M Vignesh	22BW1A0515												
13	K Prasad	22BW1A0520												
14	K Anjali	22BW1A0521			A							A	A	

S.No	Name of Participant	Reg Number	8/9	9/9	10/9	11/9								
15	L Lakshmi Jayavanthi	22BW1A0524	A											
16	M Chetan	22BW1A0525			A		A							
17	M Meghana	22BW1A0526												
18	M Praveen	22BW1A0527	A			A		A		A		A		
19	M Gayathri	22BW1A0528	A		A									
20	M Ramadevi	22BW1A0529			A									A
21	M Krishna Kumari	22BW1A0530										A		
22	N Sirisha	22BW1A0531		A										
23	N Vijaya Sagar	22BW1A0532												
24	P Sandhya	22BW1A0533				A		A				A		
25	P Monica Sai	22BW1A0535	A				A		A					
26	P Jayanth	22BW1A0536												
27	P Latha Sri	22BW1A0537	A											
28	P Anil	22BW1A0538				A								A
29	R Sekhar	22BW1A0540			A		A		A		A			
30	R B Sireesha	22BW1A0541		A										
31	S Jeetha	22BW1A0542				A		A						
32	S Venkatesh	22BW1A0545	A							A				
33	S Greeshma	22BW1A0546	A											
34	T Yogeshwar	22BW1A0548												
35	U Vivek	22BW1A0550												

			8/9	9/9	10/9	11/9						
36	V Charishma	22BW1A0151	[signature]	[signature]	[signature]	[signature]	A	[signature]	[signature]	[signature]	[signature]	[signature]
37	Y Pallavi	22BW1A0158	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
38	Ch Uma Mahesh	22BW1A0160	A	A	A	[signature]	[signature]	[signature]	[signature]	[signature]	A	A
39	Jagruthi B	22BW1A0175	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
40	K Sravani	22BW1A0178	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
41	PPV Vani	22BW1A0180	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	A	[signature]	[signature]	[signature]
42	VSK Syam Sunder	22BW1A0185	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
43	A Deepthi	23BW5A0101	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
44	G Sai Tarun	23BW5A0106	[signature]	A	[signature]	[signature]	A	[signature]	[signature]	[signature]	[signature]	[signature]
45	MD Chandini Sulthana	23BW5A0111	[signature]	[signature]	A	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
46	N Joseph Eswar	23BW5A0113	[signature]	[signature]	A	[signature]	[signature]	[signature]	[signature]	[signature]	A	[signature]
47	MD Abdul Razaq	23BW5A0114	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	A
48	Sk Sirajuddin	23BW5A0117	[signature]	A	A	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]

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VALUE ADDED COURSE: RAILWAY INFRASTRUCTURE : BASICS AND ESSENTIALS

08.09.25 to 27.11.25, Course Coordinator: S Satish, Asst Professor, CED, VRSSE

S.No	Name of Participant	Reg Number	30/9	6/10	7/10	8/10	9/10	13/10	14/10	15/10	16/10	20/10	21/10	3/11	4/11	5/11	6/11
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5	[illegible]	[illegible]	A	[signature]	[signature]	[signature]	[signature]	[signature]	A	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
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7	Ch Subash Paul	[illegible]	[signature]	A	[signature]	[signature]	[signature]	A	[signature]	[signature]	A	A	[signature]	[signature]	[signature]	[signature]	[signature]
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9	[illegible]	[illegible]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]	A	A	[signature]	[signature]	[signature]	[signature]	[signature]
10	[illegible]	[illegible]	A	[signature]	[signature]	[signature]	A	A	[signature]	[signature]	[signature]	A	A	A	[signature]	[signature]	[signature]
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12	J M Vignesh	[illegible]	A	[signature]	[signature]	[signature]	A	[signature]	A	[signature]	[signature]	[signature]	[signature]	A	[signature]	[signature]	[signature]
13	K Prasad	[illegible]	[signature]	[signature]	[signature]	[signature]	A	[signature]	[signature]	A	[signature]	[signature]	[signature]	[signature]	[signature]	A	[signature]
14	[illegible]	[illegible]	[signature]	A	[signature]	[signature]	[signature]	[signature]	[signature]	A	A	[signature]	A	[signature]	A	A	[signature]

15	L Lakshmi Sravanthi	22BW1A0124	A	[illegible]	[illegible]	A	A	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]
16	M Sultan	22BW1A0125	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	A	[illegible]	[illegible]	A	A	A	[illegible]
17	M Meghana	22BW1A0126	[illegible]	A	[illegible]	[illegible]	A	A	A	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	M Praveen	22BW1A0127	A	A	A	[illegible]	A	[illegible]	A	A	[illegible]	A	[illegible]	A	A	[illegible]	A
19	M Gayathri	22BW1A0128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	A	[illegible]
20	M Ravindra	22BW1A0129	[illegible]	A	[illegible]	[illegible]	[illegible]	A	[illegible]	A	A	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]
21	M Krishna Kumari	22BW1A0130	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	A	A	[illegible]	A	A	A	[illegible]	[illegible]	[illegible]
22	N Sivani	22BW1A0131	A	A	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	A	[illegible]	[illegible]	[illegible]
23	N Vijaya Sagar	22BW1A0132	A	A	[illegible]	[illegible]	A	[illegible]	A	[illegible]	[illegible]	[illegible]	A	A	[illegible]	[illegible]	[illegible]
24	P Sandhya	22BW1A0133	[illegible]	A	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	A	A	A	[illegible]
25	P Manasa Sai	22BW1A0135	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	P Jayanthi	22BW1A0136	A	[illegible]	[illegible]	[illegible]	A	[illegible]	A	[illegible]	[illegible]	[illegible]	A	A	[illegible]	[illegible]	A
27	P Latha Sri	22BW1A0137	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]
28	P Anil	22BW1A0138	A	A	[illegible]	[illegible]	A	A	A	[illegible]	[illegible]	[illegible]	A	A	[illegible]	[illegible]	A
29	R Sekhar	22BW1A0140	[illegible]	A	A	[illegible]	[illegible]	A	[illegible]	A	A	A	[illegible]	A	[illegible]	[illegible]	[illegible]
30	R R Deep	22BW1A0141	A	A	[illegible]	[illegible]	[illegible]	A	[illegible]	A	A	[illegible]	A	A	[illegible]	[illegible]	[illegible]
31	S Anitha	22BW1A0142	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	A	[illegible]	A	A	[illegible]	[illegible]	[illegible]
32	S Venkatesh	22BW1A0145	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	A	[illegible]	[illegible]
33	S Greeshma	22BW1A0146	A	A	[illegible]	[illegible]	[illegible]	[illegible]	A	A	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	T Yogeshwar	22BW1A0148	A	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]	A	A	[illegible]	[illegible]	[illegible]
35	U Vivek	22BW1A0170	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]
36	V Charishma	22BW1A0111	A	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]

37	Y Pallavi	22BW1A0133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	Ch Uma Mahesh	22BW1A0160	[illegible]	A	[illegible]	[illegible]	[illegible]	A	[illegible]	A	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]
39	Sujatha B	22BW1A0175	A	A	A	A	A	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	R Sravani	22BW1A0178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	MN Vani	22BW1A0189	A	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]	A	[illegible]	A	A	[illegible]	A	[illegible]
42	VSK Syam Sunder	22BW1A0165	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	A Deepthi	22BW5A0101	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	G Sai Tarun	22BW5A0106	A	[illegible]	[illegible]	[illegible]	A	A	A	A	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]
45	MD Chandini Sulthana	22BW5A0111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	A	[illegible]	A	[illegible]	A	A	[illegible]	[illegible]	[illegible]
46	K Joseph Evans	22BW5A0113	[illegible]	[illegible]	[illegible]	[illegible]	A	A	A	A	A	[illegible]	[illegible]	A	[illegible]	A	A
47	MD Abdul Aziz	22BW5A0114	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	A	[illegible]	A	A	[illegible]	[illegible]	[illegible]
48	N Sireesha	22BW5A0117	A	[illegible]	[illegible]	[illegible]	A	A	A	A	A	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]

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VALUE ADDED COURSE: RAILWAY INFRASTRUCTURE: BASICS AND ESSENTIALS

08.08.25 to 22.11.25; Course Coordinator: S Sudam, Asst Professor, CED, VRSSE

S.No.	Name of Participant	Reg Number	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
1	A Likhith	22BW1A01[illegible]	[signature]	[signature]	A	A	[signature]					
2	B Venkatesh	22BW1A0107	[signature]	[signature]	A	[signature]	A					
3	B Ravi	23BW5A0[illegible]	[signature]	[signature]	[signature]	[signature]	[signature]					
4	B Naresh	22BW1A01[illegible]	A	[signature]	A	[signature]	[signature]					
5	B Vyshnavi	22BW1A0105	A	[signature]	[signature]	A	A					
6	B Sathish	22BW1A0107	A	[signature]	[signature]	[signature]	A					
7	Ch Sudhakar Paul	22BW1A0109	[signature]	[signature]	[signature]	[signature]	[signature]					
8	D Sairam	22BW1A0110	[signature]	[signature]	A	[signature]	[signature]					
9	D Niharika	22BW1A0111	[signature]	[signature]	A	A	[signature]					
10	D Om Prakash	22BW1A0113	[signature]	[signature]	[signature]	[signature]	[signature]					
11	G Aman Varshan	22BW1A0117	[signature]	[signature]	[signature]	[signature]	[signature]					
12	M Vignesh	22BW1A0119	A	[signature]	[signature]	[signature]	[signature]					
13	K Pravallika	22BW1A0120	[signature]	[signature]	[signature]	[signature]	[signature]					
14	K Akash	22BW1A0121	A	[signature]	[signature]	[signature]	A					
15	L Lakshmi Srivanthi	22BW1A0124	[signature]	[signature]	A	[signature]	A					
16	M Suhas	22BW1A0125	[signature]	[signature]	[signature]	[signature]	[signature]					
17	M Meghana	22BW1A0126	[signature]	[signature]	[signature]	[signature]	[signature]					
18	M Praveen	22BW1A0127	A	A	A	[signature]	[signature]					
19	M Gayathri	22BW1A0128	[signature]	[signature]	A	A	[signature]					
20	M Narendra	22BW1A0129	A	[signature]	A	[signature]	A					
21	M Krishna Kanth	22BW1A0133	[signature]	[signature]	A	[signature]	[signature]					
22	N Tirumi	22BW1A0134	A	[signature]	A	A	A					
23	N Vijaya Sagar	22BW1A0135	[signature]	[signature]	A	A	[signature]					
24	P Sri[illegible]	22BW1A0131	A	A	[signature]	[signature]	[signature]					
25	P Mounika Sri	22BW1A0133	[signature]	A	A	[signature]	[signature]					
26	P Sugunith	22BW1A0135	[signature]	[signature]	A	[signature]	[signature]					
27	P Latha Sri	22BW1A0137	[signature]	[signature]	A	A	[signature]					
28	P Anil	22BW1A0138	A	[signature]	[signature]	[signature]	[signature]					
29	R Saikiran	22BW1A0140	A	[signature]	A	A	[signature]					
30	R.B Siraj	22BW1A0142	[signature]	[signature]	A	[signature]	[signature]					
31	S Anitha	22BW1A0143	[signature]	[signature]	[signature]	[signature]	A					
32	T Venkatesh	22BW1A0144	[signature]	[signature]	[signature]	[signature]	A					
33	S Chandrika	22BW1A0145	[signature]	A	[signature]	[signature]	[signature]					
34	T [illegible]	22BW1A0146	[signature]	[signature]	A	A	[signature]					
35	U Vivek	22BW1A0147	[signature]	[signature]	A	[signature]	[signature]					
36	V Chandana	22BW1A0148	[signature]	[signature]	[signature]	[signature]	[signature]					

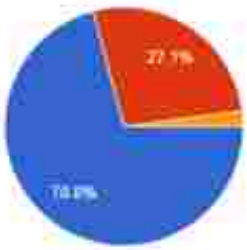
FEEDBACK

https://forms.gle/JMrGSMypvZiFrb848

Course Content met with your expectations

48 responses

Copy chart



Lectures were clear and understanding with practical examples

48 responses

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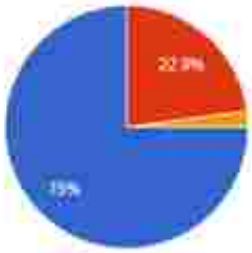

Regularity and Knowledge of faculty

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48 responses

Coverage of Topics & Interaction during course

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48 responses

How do you rate the overall teaching, learning environment and outcome of the course

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48 responses

How do you rate the value added course offered

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48 responses

Value added Course Railway Infrastructure : Basics And Essentials Feedback AY 2025 2026

Registered Number	Name of student	Course Content met with your expectations	Lectures were clear and understanding with practical examples	Regularity and Knowledge of faculty	Coverage of Topics & interaction during course	How do you rate the overall teaching, learning environment and outcome of the course	How do you rate the value added course offered
228W1A0102	Laxmiya	Good	Excellent	Good	Excellent	Excellent	Good
228W1A0103	B Venkatesh	Excellent	Good	Good	Excellent	Good	Good
228W1A0104	B Anil	Good	Excellent	Good	Excellent	Good	Good
228W1A0105	B Ganesh	Good	Excellent	Excellent	Good	Excellent	Good
228W1A0106	B Vyshnavi	Good	Good	Good	Good	Good	Good
228W1A0107	B Santosh	Excellent	Good	Excellent	Good	Good	Average
228W1A0109	Ch Subash	Good	Good	Good	Good	Good	Good
228W1A0110	D Sairam	Good	Good	Good	Good	Good	Average
228W1A0111	D Niharika	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0112	Om Prakash	Good	Good	Good	Good	Good	Good
228W1A0113	G Aman Vardhan	Good	Good	Excellent	Good	Good	Good
228W1A0115	J Vignesh	Excellent	Excellent	Excellent	Good	Good	Good
228W1A0120	K Prasad	Good	Excellent	Excellent	Good	Good	Good
228W1A0121	K Akash	Good	Good	Good	Good	Good	Good
228W1A0124	L Sravanthi	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0125	M Subas	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0126	M Meghana	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0127	M Praveen	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0128	M Gopathi	Average	Average	Good	Good	Good	Good
228W1A0129	M Ramsha	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

228W1A0130	M Krishna Kumari	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0131	N Sruti	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0132	Sagar	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0133	sandhya	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0135	Monica Sai	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0136	P Jayanth	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0137	P Latha Sri	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0138	P Anil	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0140	R Sekhar	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0141	Shiva	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0142	S Anitha	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0145	Venkatesh	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0146	S Greeshma	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0149	T Sagnikaa	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0150	U Vivek	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0151	V Charishma	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0153	Y Pallavi	Excellent	Excellent	Excellent	Excellent	Good	Good
228W1A0160	Uma Mahesh	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0175	Jagruthi	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0178	K Sravani	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W1A0189	Vani	Good	Excellent	Good	Excellent	Good	Excellent
228W1A01A5	Sunny Sunder	Excellent	Good	Excellent	Good	Excellent	Good
228W5A0101	Deepthi	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W5A0106	G Tarun	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W5A0111	Chandini Sulthana	Good	Good	Excellent	Excellent	Excellent	Excellent
228W5A0113	Joseph Sawar	Good	Good	Good	Good	Good	Good
228W5A0114	Aman	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
228W5A0117	Sriyadutta	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

SATISH SAJJA
Asst Professor
Course Coordinator

Dr V MALLIKARJUNA
Professor & Head
Civil Engineering

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Event	Workshop on "Disaster Management & Leadership – A Case Study"
Guest	Major General Prof SS Dasaka, SM, VSM (Rtd)
Date	12.11.25
Beneficiaries	III/IV & II/IV B.Tech Students, 150
Highlights	The speaker shared valuable insights into disaster preparedness, risk assessment, and effective response strategies through real-life case studies. He emphasized the importance of leadership qualities such as decision-making, coordination, and crisis management during emergencies. The session highlighted the role of engineers in planning resilient infrastructure and mitigating disaster impacts. The workshop was highly informative and engaging, providing participants with a deeper understanding of disaster management practices and the significance of leadership in handling critical situations. It inspired students to develop a sense of responsibility and readiness to contribute effectively during disasters. Students Improved understanding of disaster management principles, emergency response strategies, and real-time decision-making through case-based learning. Developed leadership skills essential for crisis situations, including coordination, communication, and resource management. Enhanced awareness of risk reduction measures and the importance of proactive planning for effective disaster preparedness.

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

DEPARTMENT OF CIVIL ENGINEERING

Hearty Welcome to

Major General
Prof. Dr. S.S. Dasaka SM,
VSM (Retd)

One Day Workshop on

Disaster Management & Leadership - A Case Study

Date: 12th November, 2025 Venue: CE Seminar Hall

VELAGAPUDI RAMAKRISHNA SIDDHARTHA SCHOOL OF ENGINEERING

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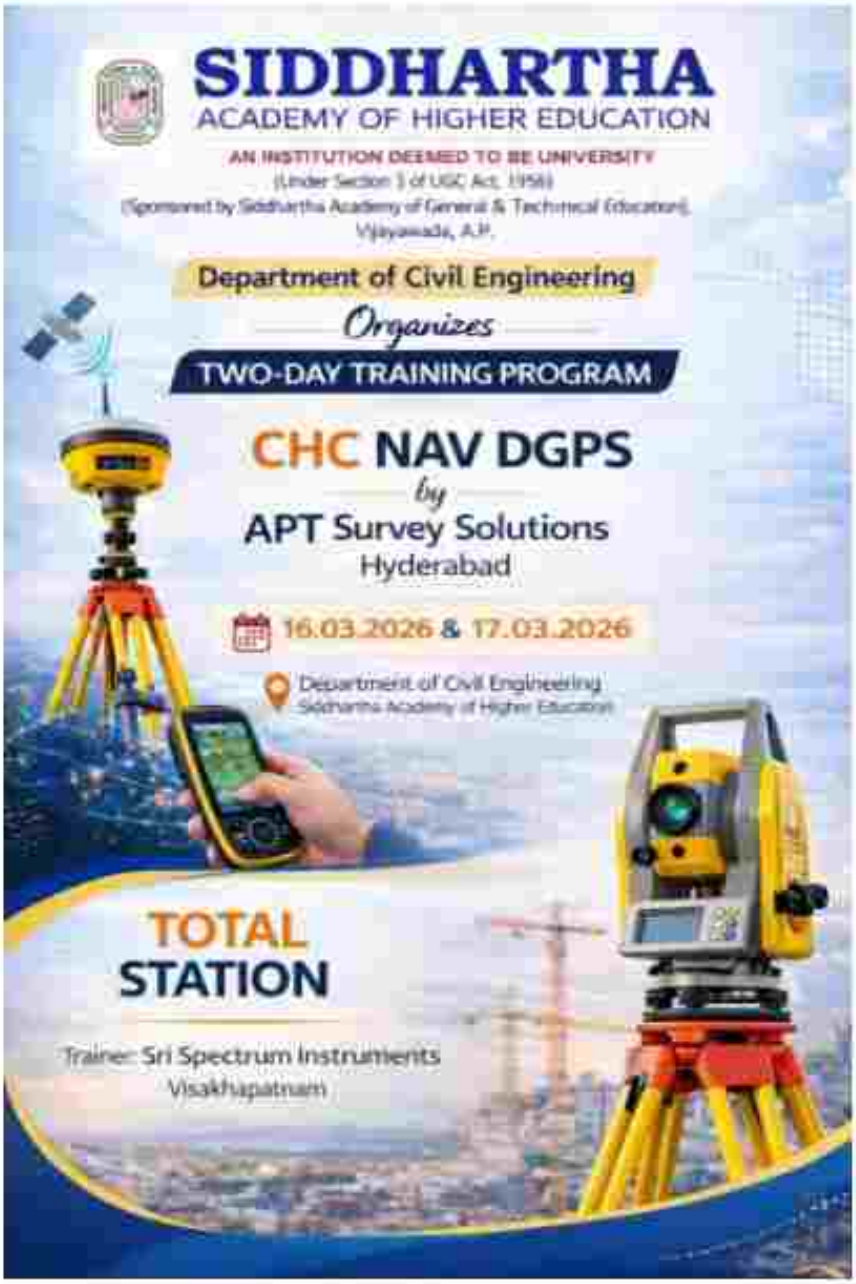
Event	Two days training program on CHC NAV DGPS & Total Station
Guest	APT Survey Solutions Hyderabad & Sri Spectrum Instruments, Visakhapatnam
Date	16.03.26 to 17.03.26
Beneficiaries	4 teaching and 7 Non teaching staff
Highlights	A two-day training program on "CHC NAV DGPS & Total Station" was conducted on 16th and 17th March 2026 for the faculty and staff of the Civil Engineering Department. The program was organized in collaboration with APT Survey Solutions, Hyderabad and Sri Spectrum Instruments, Visakhapatnam. Objectives: The objective of the two-day training program on CHC NAV DGPS and Total Station was to equip participants with both theoretical knowledge and practical skills in modern surveying techniques. It aimed to familiarize teaching and non-teaching staff with advanced instruments, their operation, calibration, and applications in real-time field conditions, thereby bridging the gap between academic concepts and industry practices. A total of 10 participants, including 4 teaching staff and 6 non-teaching staff, actively took part in the training program. The sessions focused on both theoretical concepts and practical applications of modern surveying instruments such as DGPS (Differential Global Positioning System) and Total Station. The resource persons provided hands-on training on instrument setup, calibration, data collection, and processing techniques. Participants were trained in conducting accurate field surveys, understanding coordinate systems, and using advanced features of CHC NAV DGPS and Total Station equipment. The program emphasized the importance of precision, efficiency, and the use of modern technology in surveying practices. The practical sessions enabled participants to gain confidence in handling instruments and applying the techniques in real-time field

	conditions. Overall, the training program was highly beneficial, enhancing the technical skills of both teaching and non-teaching staff and contributing to improved academic and field practices in surveying. Outcomes: The training program enabled participants to gain hands-on experience in using DGPS and Total Station for accurate field data collection and surveying. It enhanced their technical competence, improved efficiency in handling modern equipment, and strengthened their ability to apply these skills in academic activities, fieldwork, and future engineering projects.

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Kanuru, Andhra Pradesh, India
Fmpv+3c3 Civil Engineering, Chalasani Nagar,
Kanuru, Andhra Pradesh 520007, India
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Two days training program on CHC NAV DGPS & Total Station

16.03.26 to 17.03.26

Attendance Sheet

Teaching Faculty

S.No	Name	Signature	
		16.03.26	17.03.26
1	S Satish	S. Sat	S. Sat
2	Dr Y Suma	Suma	Suma
3	Dr T Sujatha	TSujatha	TSuj
4	Dr UV Narayana	U.V	U.V

Non Teaching Staff

S.No	Name	Signature	
		16.03.26	17.03.26
1	P Suresh	P. Sur	P. Sur
2	D Ravi	D. Ravi	D. Ravi
3	K Srinivas	K. Srinivas	K. Srinivas
4	G Vasu	G. Vasu	G. Vasu
5	K Vinay Kumar	K. Vinay Kumar	K. Vinay Kumar
6	K Murali	K. Murali	K. Murali
7	V Lakshmi Ganesh	V.L. Gan	V.L. Gan

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Event	Motivation lecture on "How to Practice Engineering"
Guest	Sri M Narayana Prasad, Member Siddhartha Academy of General and Technical Education, & M/s Narayana Prasad Electrical Works, Vijayawada
Date	02.04.26
Beneficiaries	III/IV B. Tech students (100)
Highlights	The speaker shared valuable insights into the practical aspects of engineering beyond academic learning. He emphasized the importance of developing strong fundamentals, ethical practices, and continuous learning in order to succeed in the engineering profession. The lecture highlighted the gap between theoretical knowledge and real-world application, encouraging students to focus on field exposure, problem-solving skills, and professional discipline. Sri M. Narayana Prasad also discussed the significance of quality construction, responsibility towards society, and adherence to standards in engineering practice. He motivated students to enhance their technical competence while also cultivating communication and teamwork skills. The speaker emphasized the importance of understanding real-life engineering problems and developing practical solutions through continuous learning and field experience. He shared several examples from engineering practice, explaining how challenges such as site conditions, material limitations, and project constraints are addressed systematically over a period of time through planning, testing, and innovation The session was highly interactive and inspiring, providing students with a broader perspective on their future roles as engineers. It helped them understand the expectations of the industry and the importance of professionalism in their careers. Overall, the lecture was informative and motivating, leaving a positive impact on the participants and encouraging them to strive for excellence in their engineering journey.

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FIELD VISIT REPORT

Title: Field Visit to Flexible pavement construction in University Campus at Indoor Stadium-Siddhartha Academy of Higher Education

Date: 24.01.26

Participants: 20 Undergraduate Students

Faculty Accompanied : Dr B Panduranga Rao, Satish Sajja

Introduction:

A field visit was organized for undergraduate students to observe the ongoing flexible pavement construction works at the Indoor Stadinm within the Siddhartha Academy of Higher Education campus. The visit aimed to provide practical exposure to pavement construction techniques and bridge the gap between theoretical knowledge and field practices.

Objectives

The primary objective of the visit was to familiarize students with the stages involved in flexible pavement construction. It also aimed to help students understand the materials used, equipment involved, and quality control measures adopted during the construction process.

Highlights

During the visit, students observed various stages of flexible pavement construction. Dr B Panduranga Rao, Director Infrastructure & Consultancy has explained the process beginning from subgrade preparation, including soil compaction and levelling. This was followed by the laying of sub-base and base layers using Granular Sub Base (GSB) and Wet Mix Macadam (WMM).

Students also witnessed the application of bituminous layers, including prime coat, tack coat, and bituminous concrete. The importance of proper compaction using rollers and maintaining the required thickness and camber was emphasized. The role of drainage in pavement performance was also discussed at the site.

Outcomes:

The field visit provided valuable insights into real-time construction practices. Students gained a better understanding of the sequence of operations in flexible pavement construction and the significance of each layer. They also learned about the machinery used, such as pavers and rollers, and the importance of adhering to quality standards and specifications.

S Satish
Asst Professor

Dr V Mallikarjuna
Professor & Head

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FIELD VISIT REPORT

Title: Field Visit to Open Web Steel Girder Rail Over Rail Bridge

Date: 11.04.2026

Location: Proposed Bypass Line between Rayanapadu – Mustabada

Participants: 100 Undergraduate Students

Faculty Accompanied : Dr N Malathi, Satish Sajja

Introduction

A field visit was organized on 11th April 2026 for undergraduate students to the construction site of an Open Web Steel Girder Rail Over Rail Bridge located along the proposed bypass line between Rayanapadu and Mustabada. The visit aimed to provide practical exposure to bridge engineering concepts, structural components, and modern construction techniques used in railway infrastructure projects.

Objectives of the Visit

The primary objectives of the field visit were:

- To understand the structural behavior and design aspects of open web steel girders.
- To observe the construction methodology of Rail Over Rail (ROR) bridges.
- To gain knowledge about materials, fabrication, and erection processes.
- To interact with field engineers and understand real-time project challenges.

Description of the Structure

The Open Web Steel Girder Bridge is a type of truss bridge commonly used in railway crossings due to its high strength-to-weight ratio and efficient load distribution. The structure consists of top and bottom chords connected by diagonal and vertical members forming a web system, allowing it to carry heavy rail loads over another railway line safely.

Observations During the Visit

- Students observed the fabrication and assembly of steel members forming the truss system.

- The process of launching girders across the railway track using cranes and specialized equipment was explained.
- Engineers demonstrated connections such as bolting and welding techniques used in steel structures.
- Safety measures and precautions followed at the construction site were highlighted.
- The importance of alignment, leveling, and precision in railway bridge construction was emphasized.

Learning Outcomes

- Students gained practical understanding of truss bridge components and load transfer mechanisms.
- Exposure to real-world railway bridge construction enhanced their technical knowledge.
- Understanding of site challenges such as working within limited time blocks between train movements.
- Awareness of safety standards and quality control practices in infrastructure projects.

S Satish
Asst Professor

Dr V Mallikarjuna
Professor & Head