


ACTIVITY BASED LEARNING (2025-2026 ODD)

Course Code & Course Title: 19CE527 & CONSTRUCTION ENGINEERING AND OCCUPATIONAL SAFETY

Year/Sem/Branch: III/IV/CIVIL

Name of Faculty & Designation: Dr.J.Herbert Sinduja

Unit Title: Designing for Safety

Topic: Safety in real time scenarios

Bloom's Taxonomy Level: Analyse

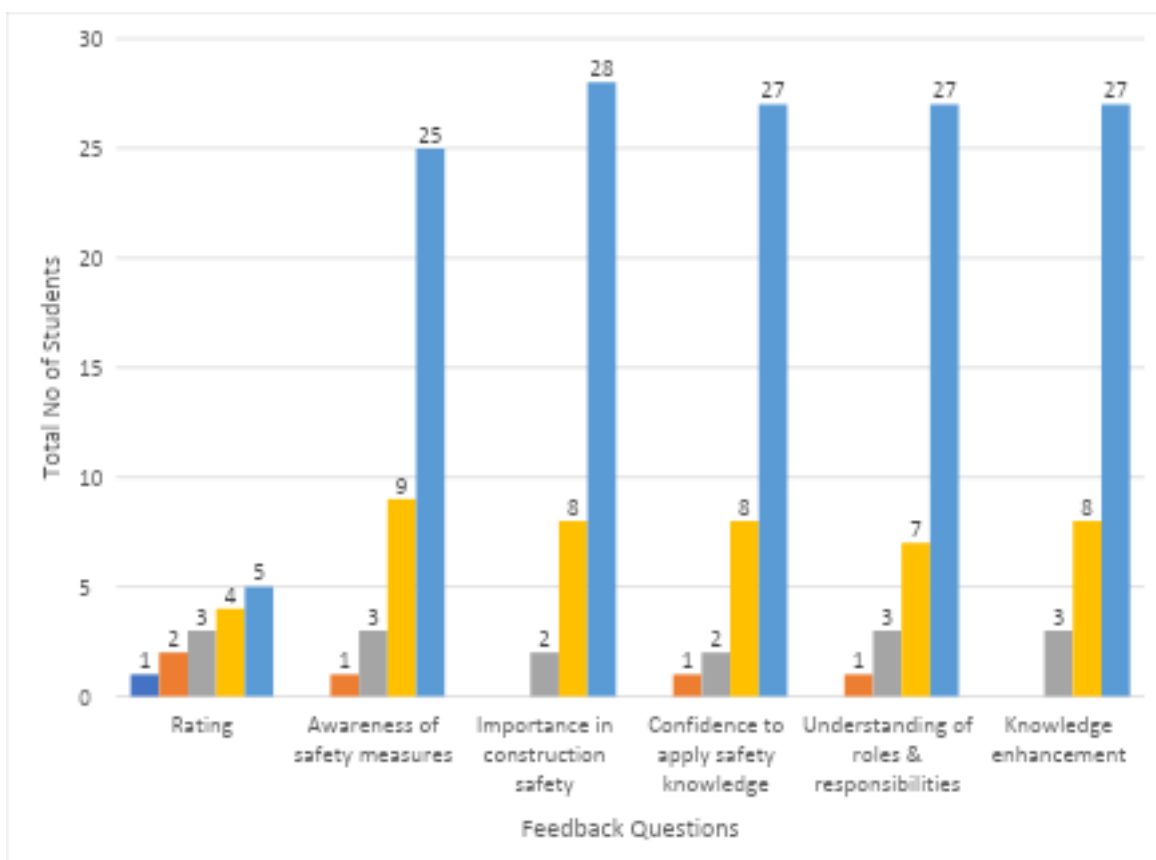
Sl.No	Title	Description
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	Concept	To understand the fundamental components and procedures involved in designing a construction safety program. To know the application of safety measures and protocols for ensuring a safe and hazard-free construction environment.
	Challenges Faced	Students were not much familiar with the process of designing a construction safety program through traditional teaching methods. When it was converted into an activity, they actively participated and shared their ideas to identify potential hazards and develop effective safety measures for construction sites.
	Activity Name	Case Study Activity – Construction Site Safety Program
	Activity Description	Every group has to analyze a construction site and identify potential hazards. They must then design a safety program addressing those hazards, including preventive measures, responsibilities, and implementation strategies. Groups presenting practical, innovative, and well-structured safety programs will be encouraged to further develop their plans and will be awarded additional marks for their effort and creativity.
	Feedback from Learners	• Very much interested to identify hazards and propose safety measures on their own • Also interested to develop a detailed safety program as a project. • Enjoyed collaborating in a group to design practical and innovative safety solutions. • Found the activity helpful in understanding real-world construction site safety management.
	Feedback by the Faculty	 Students actively participated in identifying hazards and designing safety measures.

		🎬 They showed creativity and practical understanding while preparing the safety program. 🎬 The group activity enhanced their collaborative and problem-solving skills. 🎬 Overall, the activity effectively improved their understanding of construction site safety management.
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Feed back Analysis Report Chart

Feed back Questions:

1. How aware are you of the key components required to design an effective construction safety program?
2. How important do you think safety program planning is in minimizing workplace accidents?
3. How confident are you in applying safety program design principles to real construction projects?
4. How well did this activity help you understand the roles and responsibilities involved in safety management?
5. How effectively did the activity enhance your overall knowledge of occupational safety practices in construction?



Signature of the Course Faculty

Signature of HOD

NOTE: Evidences/Proofs

1. Activity Scenario for designing the safety

https://drive.google.com/file/d/1QEM0QEDFBfqRwwX_sMDscjhGb7xtZvdN/view?usp=sharing

2. Proof 1

https://drive.google.com/file/d/1IGx7OfZPZHgzLA2MqK8r_nReDTeCYTeo/view?usp=sharing

3. Proof 2

<https://drive.google.com/drive/u/1/folders/1ywhnxavz-IzYuW4eGSetjLtAWzbhKD2f>

DEPARTMENT OF CIVIL ENGINEERING

Case Study Activity – Construction Site Safety Program

S.No	Reg. No	Name	Marks
Team 1	212223220032	HARSETHA J	100
	212223220071	NITHYA SHREE B	100
	212223220072	PAVITHRA S (29-07-2005)	100
	212223220108	SOUNDARYA J	100
	212223020011	JANANI M P	100
Team2	212222230149	SRIRAM GOPALAN G	80
	212222240045	KARTHIKEYAN R(16-11-2004)	85
	212222060117	KAVIYARASAN S	90
	212222230082	MOHAMED FAREED F	80
	212222230161	THIRUKAALATHESSVARAR S	85
	212222230007	ADHITHYA PERUMAL D	85
	212222060130	LINGESH KUMAR G S	80
Team 3	212223050003	AKSHAYA N	85
	212223050040	SAARU LAKSHMI D	85
	212223050045	SARIDHA M A	80
	212223050054	SUDARSHANA S	82
	212223210021	ROHINI MAITY	95
Team 4	212222075001	AVILALA SAI TEJA	75
	212222075002	THAKKOLAM VIVEKANANDA REDDY	70
	212223070014	MALLIMOOGALA PREM CHAND	78
	212223070020	RAGUL V	75
	212223240123	PRASANNA V	75
	212223060226	RITESH KUMAR G	70
Team 5	212223230237	VEERARAGAVAN V	80
	212223213002	BHARATH S	82
	212223210015	MOHAMMED AFZAL M	85
Team 6	212222030008	MADHUMITHA S	90
Team 7	212222030003	ARUL C	98
	212222030006	JAYASRI N	98
	212222030013	SAWASTHIKA G P	98
	212222030015	SNEHARAJAN S	98
Team 8	212223060093	JAGADEESWARI D	80
	212223060129	KOWSALYA V	90
	212223060144	MADHUMITHA Y	80
	212223060173	MRITHULA SREE V S	85
	212222090020	PRIYANKA S	85
	212223060250	SARANYA A	80
Team 9	212223230107	KRISHNA KUMAR R	75
	212223110042	ROGITH K	70
	212222080023	JANAGIRAMAN S	75
	212222080033	MERRYLL S SHARON	70

	212222080040	PRAVEEN KUMAR G	70
Team 10	212222083001	ANNAPUREDDY SANJEEV S	65
	212222083011	VISHNU M	60
ABSENTEES			
	212222060173	PAVITHRA K	AB
	212222070005	DHANUSHKUMAR U	AB
	212222033001	CHAKRALA LAHITHYA	AB
	212222060097	JOEL ABRAHAM D	AB
	212222080012	BHUVANESHWAR D M	AB
	212222080052	SRIRAM K	AB
	212222240005	AJAY ASWIN M	AB
	212222240115	VIKASH S	AB
	212223040173	ROHITH T	AB
	212223110056	SURYA R	AB
	212223240054	HIRUTHIK SUDHAKAR	AB

ACTIVITY PHOTOS



