



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (Under Tier - I), ISO 21001:2018 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, N.T.R. DIST., A.P.-521 230.

Phone: 08659-222933, Fax: 08659-222931

DEPARTMENT OF CIVIL ENGINEERING

Attainments of Course outcomes, Program Outcomes and Program Specific Outcomes (R23)

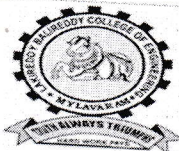
Faculty Name	:	B. NARASIMHARAO			
Course Name	:	GTE	Academic Year	:	2025-2026
Course Code	:	23CE10	Semester	:	V-SEM
Program & Admitted Year	:	B. Tech, 2023	Section	:	Civil

COURSE OUTCOMES: After the completion of course, the student should be able to,

CO1	Understand the soil formation, its index properties and classification. (Understand-L2)
CO2	Understand the soil moisture and flow of water through soils and its effects. (Understand-L2)
CO3	Evaluate the stress distribution of soil subjected to different loading conditions. (Apply-L3)
CO4	Understand Compaction and Compressibility characteristics under partially saturated and fully saturated conditions. (Understand-L2)
CO5	Evaluate the shear strength of soil at different loading & drainage conditions for different soils. (Apply-L3)

Attainment of Course Outcomes Through Mid Examinations (CIE)

R23 CE(23CE03) ATTAINMENT SHEET									
CIE Attainment					Question-CO correlation				
Descriptive Test	Question No.	% Students Attempted	% CO Attainment	Attainment Level	CO 1	CO 2	CO 3	CO 4	CO 5
MID-I	Q1a	11.76	0.00	3	1				
	Q1b	7.84	25.00	3	1				
	Q1c	88.24	91.11	1	1				
	Q2a	58.82	66.67	2		1			
	Q2b	50.98	57.69	3		1			
	Q2c	37.25	63.16	3		1			
	Q3a	52.94	55.56	3	1				
	Q3c	33.33	76.47	3		1			
	Q3d	41.18	85.71	3		1			
MID-II	Q1a	50.98	19.00	2		1			
	Q1b	45.10	82.61	3		1			
	Q1c	43.14	90.91	1			0.75		
	Q1d	54.90	3.00	3			1		
	Q2a	25.49	84.62	3				1	
	Q2b	19.61	100.00	1				1	
	Q2c	72.55	83.78	3				1	
	Q3a	78.43	70.00	2					0.75



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	Q3b	82.35	80.95	3					1
	Q3c	9.80	60.00	3					0.75
	Q3d	9.80	60.00	3					1
Descriptive Test Attainment					2.50	2.72	1.88	2.34	2.44
Assignment	A1	100	100.00	3	1	1			
	A2	100	100.00	3			1	1	1
Assignment Attainment					3.00	3.00	3.00	3.00	3.00
Quiz	Q1	100.00	51.85	2	1	1			
	Q2	100.00	33.33	2			1	1	1
Quiz Attainment					2.00	2.00	2.00	2.00	2.00

SEE Attainment			Question-CO Correlation						
SEE	Question No.	% Students Attempted	% CO Attainment	Attainment Level	CO1	CO2	CO3	CO4	CO5
PART A	Q1	100.00	15.38	1	1	1	1	1	1
PART B	Q2a	87.18	61.76	3	1				
	Q2b	84.62	42.42	2	1				
	Q3a	20.51	50.00	3	1				
	Q3b	17.95	57.14	2	1				
	Q4a	53.85	42.86	3		1			
	Q5a	58.97	69.57	3		1			
	Q5b	61.54	83.33	3		1			
	Q6a	48.72	68.42	3		1			
	Q6b	48.72	63.16	3		1			
	Q7a	56.41	86.36	2			0.75		
	Q7b	53.85	47.62	3			1		
	Q8a	84.62	75.76	3				1	
	Q8b	74.36	55.17	3				1	
	Q9a	23.08	33.33	3				1	
	Q9b	17.95	14.29	3				1	
	Q10a	38.46	46.67	2				1	
	Q10b	43.59	35.29	3					0.75
	Q11a	56.41	68.18	3					1
SEE Attainment (%)					45.35	57.12	42.60	38.79	34.21
SEE Attainment					2.67	1.84	2.60	1.94	2.67



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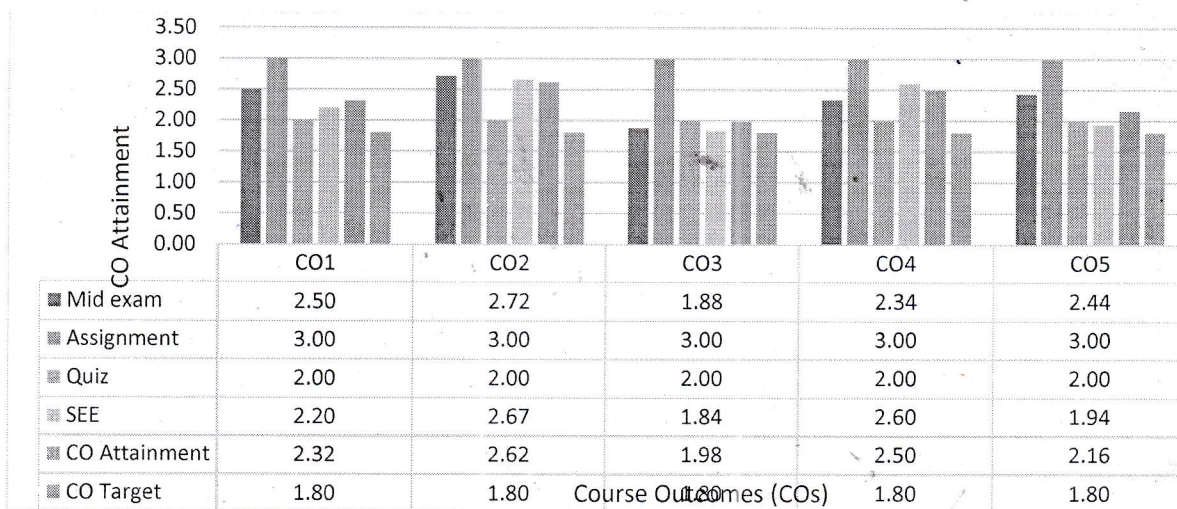
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Final COs Attainment (60% of SEE + 25% of Descriptive + 5% of Quiz + 5% of Assignment + 5% of CES).

Assessment Tool	CO1	CO2	CO3	CO4	CO5
MID Attainment Level	2.50	2.72	1.88	2.34	2.44
Assignment Attainment Level	3.00	3.00	3.00	3.00	3.00
Quiz Attainment Level	2.00	2.00	2.00	2.00	2.00
SEE Attainment Level	2.20	2.67	1.84	2.60	1.94
Course End Survey Attainment Level	2.54	2.52	2.53	2.50	2.48
COs Attainment	2.32	2.62	1.98	2.50	2.16
CO Target	1.80	1.80	1.80	1.80	1.80



Mapping of COs with POs and PSOs

CO		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.32	2	3	-	-	-	-	-	-	-	-	-	1	2	-	1
CO2	2.62	2	2	-	-	-	-	-	-	-	-	-	1	2	-	1
CO3	1.98	3	3	-	-	-	-	-	-	-	-	-	1	2	-	1
CO4	2.50	3	3	-	-	-	-	-	-	-	-	-	1	2	-	1
CO5	2.16	3	3	-	-	-	-	-	-	-	-	-	1	2	-	1
Avg PO & PSO	2.6	2.8	-	-	-	-	-	-	-	-	-	-	1	2	-	1
PO and PSO attainment	2.3	2.3	-	-	-	-	-	-	-	-	-	-	2.32	2.32	-	2.32

Title	Course Instructor	Module Coordinator	HoD-CE
Name of the Faculty	B. NARASIMHA RAO	B. NARASIMHA RAO	Dr K.V.Ramana
Signature	<i>B.N. Rao</i>	<i>B.N. Rao</i>	<i>K.V. Ramana</i>

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L B Reddy Nagar, Mylavaram-521 230, Krishna District, Andhra Pradesh.

Action taken reports

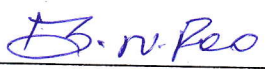
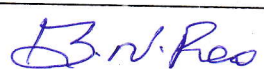
Sem: V

Course: GEOTECHNICAL ENGINEERING (23CE10)

A.Y.: 2025-26

Result Analysis: 39/49=79.59 %

COs	CO Statements	Target	Attainment	Suggestions/Actions Implantation in 2026-27
CO1	Understand the soil formation, its index properties and classification. (Understand-L2)	1.80	2.32	Attained Provide the lecture notes to improve the conceptual knowledge on soil behavior as foundation material
CO2	Understand the soil moisture and flow of water through soils and its effects. (Understand-L2)	1.80	2.62	Attained. Provide the lecture notes to get the knowledge for GATE and competitive examinations.
CO3	Evaluate the stress distribution of soil subjected to different loading conditions. (Apply-L3)	1.80	1.98	Attained Provide the lecture notes to improve the conceptual knowledge on permeability.
CO4	Understand Compaction and Compressibility characteristics under partially saturated and fully saturated conditions. (Understand-L2)	1.80	2.50	Attained. Provide the lecture notes to get the knowledge for GATE examination.
CO5	Evaluate the shear strength of soil at different loading & drainage conditions for different soils. (Apply-L3)	1.80	2.16	Attained Provide the lecture notes to get the knowledge for GATE examination.

			
B. NARASIMHARAO	B. NARASIMHARAO	B. NARASIMHARAO	Dr. K. V. RAMANA
Course Instructors	Course Coordinator	Module Coordinator	HoD