

B. Tech – CIVIL ENGINEERING POs/PSOs Attainment

POs/ PSOs ATTAINMENT LEVEL 2018-2019

Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
I B. Tech-I Semester																
EN104HS	Professional Communication in English	-	-	-	-	-	-	-	-	1.94	1.94	1.94	1.94	0.97	1.94	2.91
MA101BS	Mathematics-I	2.85	1.9	1.9	-	-	1.9	-	-	-	-	-	-	2.85	1.9	0.95
PH103BS	Engineering Physics-I	1.9	1.9	1.9	2.85	-	-	-	-	-	-	-	-	1.9	1.9	-
CH102BS	Engineering Chemistry	1.92	1.92	1.92	1.92	-	1.92	0.96	-	-	-	-	-	1.92	1.92	-
ME105ES	Engineering Mechanics	1.9	1.9	1.9	1.9	-	0.95	-	-	-	-	-	0.95	0.95	0.95	-
EE106ES	Basic Electrical and Electronics Engineering	1.9	2.85	2.85	1.9	2.85	-	-	-	-	0.95	0.95	0.95	1.9	0.95	0.95
EN107HS	English Language Communication Skills Lab	-	0.97	-	0.97	0.97	0.97	-	-	0.97	1.94	-	1.94	-	-	-
ME108ES	Engineering Workshop	1.94	1.94	2.91	1.94	1.94	0.97	-	-	1.94	-	-	1.94	-	-	-
I B. Tech-II Semester																
MA202BS	Mathematics-II	2.12	1.41	1.41	-	-	1.41	-	-	-	-	-	-	2.12	1.41	0.71
MA203BS	Mathematics-III	2.84	1.89	1.89	-	-	1.89	-	-	-	-	-	-	2.84	1.89	0.95
PH201BS	Engineering Physics-II	1.89	1.89	1.89	2.84	-	-	-	0.95	-	-	-	-	1.89	1.89	-
CS204ES	Computer Programming in C	1.41	2.12	1.41	1.41	1.41	-	-	-	0.71	-	-	-	1.41	2.12	2.12
ME205ES	Engineering Graphics	1.93	1.93	1.93	1.93	-	0.97	-	-	-	-	-	0.97	0.97	0.97	-
CS208ES	Computer Programming in C Lab	1.93	1.93	2.9	1.93	1.93	-	-	-	1.93	-	-	1.93	1.93	2.9	2.9
PH207BS	Engineering Physics Lab	1.93	1.93	1.93	1.93	1.93	-	-	-	-	-	-	-	1.93	-	-
CH206BS	Engineering Chemistry Lab	1.93	1.93	1.93	1.93	1.93	-	-	-	-	-	-	-	-	-	-

II B. Tech-I Semester																
Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
MA301BS	Mathematics-IV	1.6	1.2	0.4	0.4	0.4	0.2	-	-	-	-	-	-	1	0.4	1.4
CE305ES	Surveying	0.8	0.8	1.2	0.2	-	-	0.2	-	-	0.2	0.2	-	2.2	1.6	0.2
CE304ES	Building materials, construction and planning	2.4	2.6	0.2	0.2	0.2	-	-	-	-	-	-	0.2	2.6	1.2	-
CE303ES	Fluid mechanics-i	0.6	0.8	0.2		2.4	-	-	-	-	-	0.2	-		0.6	1.2
CS302ES	Strength of materials – i	2.8	2.8	2.2		0.2		0.2			0.4	0.2		3	3	1
II B. Tech-II Semester																
CE401ES	Strength of materials – ii	3	3	1	-	3	-	-	-	-	-	-	-	3	3	3
CE402ES	Fluid mechanics - ii	3	1	-	1	-	-	-	-	-	-	2.33	-	1.67	1.5	-
CE403ES	Structural analysis	1	3	1	1	-	1	-	-	-	-	1	-	3	3	3
CV404ES	Engineering geology	2	2	3	2	-	-	1	-	-	1	1	-	2.33	2	1
SM405ES	Business economics and financial analysis	2	2	3	2	-	-	1	-	-	1	1	-	2.33	2	1
III B. Tech-I Semester																
CE501PC	Concrete technology	2.2	1	1	1	-	-	-	-	-	1.8	-	-	2.25	2.2	1
CE502PC	Design of reinforced concrete structures	3	3	3	1	-	1	-	-	1	2	2	1	2	2	3
CE503PC	Water resources engineering	3	1	1.8	1.4	1	1.4	2.2	2.2	1.8	1.8	2.2	1	1.4	1.4	2.6
SM504MS	Fundamentals of management	1	1.57	1.67	1.83	1.83	1	1.33	1.88	1.88	2.25	2.17	1.83	1	1.83	-
ME514OE	Fundamentals of mechanical engineering	1.8	2	3	-	-	1.5	1.25	-	-	-	-	1	2	1	-
III B. Tech II Semester																
CE601PC	Design of steel structures	1	3	1	-	3	-	-	-	-	-	-	-	3	-	-
CE602PC	Environmental engineering	-	3	-	-	3	-	-	-	-	-	2	-	-	-	3
CE603PC	Soil mechanics	2.33	1	1.67	-	-	-	-	-	-	-	-	1	2	1	1

Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CE611PE	Air pollution and control	2	1.67	3	2	-	-	3	-	-	1	1	-	2.2	1.5	2
ME623OE	Fabrication processes	3	3	1	3	3	-	-	-	3	-	3	3	1	-	
IV B. Tech I Semester																
CE701PC	Transportation engineering	2	2	3	2	-	-	1	-	-	1	1	-	2.11	1.67	1
CE702PC	Estimating and costing	3	2.5	1.5	2	1	3	1	1	1	1	2	1	2.56	2	1
CE723PE	Advanced foundation engineering	2.67	2.5	1.83	2	1	3	1	1	1	1	1.5	1.89	1.5	1	-
CE731PE	RS and GIS	2	2	3	2	-	-	1	-	-	1	1	-	2.11	1.67	1
CE741PE	Water Resources Engineering-II	2	2	3	-	-	1	-	-	-	1	-	2.5	1.5	1	-
IV B. Tech II Semester																
CE801PC	Construction management	2.33	2	1	1	-	-	1	-	-	1	1	-	3	3	-
CE802PC	Prestressed concrete structures	3	2.33	1.67	2.33	1	-	-	-	-	-	-	1	3	1	1
CE523PE	Rehabilitation & retrofitting of structures	2	1.67	3	2	-	-	3	-	-	1	1	-	2.2	1.5	2
Average		57.53	56.44	47.33	30.37	21.03	13.1	18.18	6.08	9.68	18.45	25.8	15.42	55.96	42.07	30.4
Direct Attainment		2.24	2.1	2.05	1.74	1.98	1.61	1.48	1.52	1.61	1.28	1.58	1.52	2.14	1.76	1.77
In-Direct Attainment		2.91	2.9	2.84	2.97	2.93	2.76	2.84	2.86	2.86	2.8	2.85	2.76	2.76	2.9	2.97
PO Attainment Level		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12			
CO Attainment		51.98	50.99	42.79	27.53	19.13	11.99	16.57	5.67	8.9	16.79	23.42	14.07			
Direct Attainment		57.53	56.44	47.33	30.37	21.03	13.1	18.18	6.08	9.68	18.45	25.8	15.42			
Indirect Attainment		2	1.92	1.95	1.99	2	1.97	2.07	2	1.91	1.85	1.99	1.93			
PSO Attainment Level		PSO1	PSO2	PSO3												
CO Attainment		50.56	38.05	27.56												
Direct Attainment		55.96	42.07	30.4												
Indirect Attainment		1.91	1.91	1.97												

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B. Tech – CIVIL ENGINEERING / CO Attainment / Attainment Year 2018-2019

Code	Subject	CO Attainment
I B. Tech-I Semester		
EN104HS	Professional Communication in English	2.91
MA101BS	Mathematics-I	2.85
PH103BS	Engineering Physics-I	2.85
CH102BS	Engineering Chemistry	2.88
ME105ES	Engineering Mechanics	2.85
EE106ES	Basic Electrical and Electronics Engineering	2.85
EN107HS	English Language Communication Skills Lab	2.91
ME108ES	Engineering Workshop	2.91
I B. Tech II Semester		
MA202BS	Mathematics-II	2.12
MA203BS	Mathematics-III	2.84
PH201BS	Engineering Physics-II	2.84
CS204ES	Computer Programming in C	2.90
ME205ES	Engineering Graphics	2.90
CS208ES	Computer Programming in C Lab	2.90
PH207BS	Engineering Physics Lab	2.90
CH206BS	Engineering Chemistry Lab	2.90
II B. Tech-I Semester		
MA301BS	Mathematics-IV	1.12
CE305ES	Surveying	1.13
CE304ES	Building Materials, Construction And Planning	1.06
CE303ES	Fluid Mechanics-I	1.08
CS302ES	Strength Of Materials – I	1.07
II B. Tech II Semester		
CE401ES	Strength of materials – II	1.11
CE402ES	Fluid mechanics - II	1.13
CE403ES	Structural analysis	1.09

Code	Subject	CO Attainment
CV404ES	Engineering geology	1.33
SM405ES	Business economics and financial analysis	1.33
III B. Tech I Semester		
CE501PC	Concrete technology	1.11
CE502PC	Design of reinforced concrete structures	1.07
CE503PC	Water resources engineering	1.51
SM504MS	Fundamentals of management	1.31
ME514OE	Fundamentals of mechanical engineering	1.31
III B. Tech II Semester		
CE601PC	Design of steel structures	1.08
CE602PC	Environmental engineering	1.31
CE603PC	Soil mechanics	1.08
CE611PE	Air pollution and control	1.08
ME623OE	Fabrication processes	1.33
IV B. Tech I Semester		
CE701PC	Transportation engineering	1.33
CE702PC	Estimating and costing	1.24
CE723PE	Advanced foundation engineering	1.42
CE731PE	Rs and gis	1.33
CE741PE	Water resources engineering - II	1.33
IV B. Tech II Semester		
CE801PC	Construction management	1.51
CE802PC	Prestressed concrete structures	1.13
CE523PE	Rehabilitation & retrofitting of structures	1.40

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M. Tech – Structural Engineering Pos/PSOs Attainment							
POs / PSOs ATTAINMENT LEVEL 2018-2019							
Code	Subject	Program Outcomes (PO's)					
		PO1	PO2	PO3	PO4	PO5	PO6
I M. Tech-I Semester							
PE-1	Advanced Concrete Technology	2.00	2.50	2.50	2.00	-	1.00
PE-2	Advanced R.C. Design	2.33	2.00	2.50	2.00	-	1.33
PC-3	Advanced Structural Analysis	2.33	1.00	2.33	2.00	2.00	1.00
PC-2	Structural Dynamics	2	1.5	2	1.5	2.5	1.5
PC-1	Theory of Elasticity	1	1	2	2.6667	-	1
I M. Tech-II Semester							
PE 4	EARTHQUAKE RESISTANT DESIGN OF BUILDINGS	2.33	1.50	1.33	1.50	2.67	1.00
PC-4	ADVANCED STEEL DESIGN	2.33	1.00	1.50	1.67	2.33	2.00
PE 3	BRIDGE ENGINEERING	2.33	2.00	1.67	1.00	2.00	-
PC-6	PRE-STRESSED CONCRETE	1.33	1.00	2.50	2.00	2.00	1.00
PC-5	THEORY OF PLATES	1.67	2.00	1.50	1.33	2.00	2.00
Average		19.67	15.50	19.83	17.67	15.50	11.83
Direct Attainment		0.83	0.65	0.84	0.75	0.57	0.42
In-Direct Attainment		2.91	2.90	2.84	2.97	2.93	2.76
PO Attainment Level		PO1	PO2	PO3	PO4	PO5	PO6
CO Attainment		17.9	14.14	18.04	15.98	14.15	10.84
Direct Attainment		19.67	15.5	19.83	17.67	15.5	11.83
Indirect Attainment		2.00	1.92	1.95	0.75	2.00	1.97

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M. Tech – Structural Engineering CO Attainment / Attainment Year 2018-2019		
Code	Subject	CO Attainment
I M. Tech-I Semester		
PE-1	Advanced Concrete Technology	1.34
PE-2	Advanced R.C. Design	1.41
PC-3	Advanced Structural Analysis	1.47
PC-2	Structural Dynamics	1.43
PC-1	Theory of Elasticity	1.4
I M. Tech II Semester		
PE 4	Earthquake resistant design of buildings	1.42
PC-4	Advanced steel design	1.41
PE 3	Bridge engineering	1.35
PC-6	Pre-stressed concrete	1.39
PC-5	Theory of plates	1.31

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