



SAGE UNIVERSITY, INDORE
INSTITUTE OF ENGINEERING AND TECHNOLOGY
CIVIL ENGINEERING DEPARTMENT

PROGRAM STRUCTURE
Effective For ACADEMIC SESSION: 2025-26

Program Code : Diploma (CE)

Program :-Diploma in Civil Engineering

Semester: I

For Admission Batch: 2025-26

Subject wise Distribution of Marks and corresponding Credits

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total		
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC			
				Mid Sem Test (MST)	Attendance/ Quiz/Assignment		Lab Work/WP R	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach		
1	DBSNOMAT001T	Mathematics- I	60	20	20	-	-	-	100	3	1	-	-	4	4	
2	DCSNOITC001T	Introduction to Computers	60	20	20	-	-	-	100	2	-	-	-	2	2	
3	DCENOICE001T	Introduction to Civil Engineering	60	20	20	-	-	-	100	3	1	-	-	4	4	
4	DCENOAPM001T	Applied Mechanics	60	20	20	-	-	-	100	3	1	-	-	4	4	
5	DBSNOCHM001T	Chemistry	60	20	20	-	-	-	100	3	1	-	-	4	4	
6	DCSNOITC001P	Introduction to Computers lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
7	DCENOICE001P	Introduction to Civil Engineering Lab.	-	-	-	30	10	10	50	-	-	2	-	1	2	
8	DCENOAPM001P	Applied Mechanics Lab.	-	-	-	30	10	10	50	-	-	2	-	1	2	
9	DBSNOCHM001P	Chemistry Lab.	-	-	-	30	10	10	50	-	-	2	-	1	2	
10	DCENOPRA001N	Professional Activities	-	-	-	-	20	30	50	-	-	-	4	2	-	
Total			300	100	100	120	60	70	750	14	4	10	4	25	28	

NOTE: NTCC assessment shall be as per NTCC Guidelines. [NTCC: Field work/Major& Minor Project/Studio/Outreach/Term Paper/ Assignment/ Seminar/Policy Debate/Internship]. One credit of NTCC refers to Two Hours of activities in the chosen area. * Set of MOOC (NPTEL/ Swayam /IITBX / EDX etc.) will be offered to students . The students have to opt any one course from the offered set to earn extra credits.

BOS COORDINATOR

HOD, CIVIL



SAGE UNIVERSITY, INDORE
 INSTITUTE OF ENGINEERING AND TECHNOLOGY
 CIVIL ENGINEERING DEPARTMENT
 CHOICE BASED GRADING SYSTEM
 PROGRAM STRUCTURE
 Effective For ACADEMIC SESSION: 2025-26

Program Code : Diploma (CE)

Program :-Diploma in Civil Engineering

Semester: II

For Admission Batch: 2025-26

Subject wise Distribution of Marks and corresponding Credits

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total		
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	Studio /Field Work/ outreach	NTCC		
				Mid Sem Test (MST)	Attendance/ Quiz/Assignment		Lab Work/WP R	Attendance /Assignment/viva / Lab manual/								
1	DBSNOMAT002T	Mathematics-II	60	20	20	-	-	-	100	3	1	-	-	4	4	
2	DBSNOCOS001T	Communication Skills	60	20	20	-	-	-	100	3	1	-	-	4	4	
3	DBSNOPHY001T	Physics	60	20	20	-	-	-	100	3	1	-	-	4	4	
4	DCENOCNT001T	Concrete Technology	60	20	20	-	-	-	100	3	0	-	-	3	3	
5	DMENOENG001T	Engineering Graphics	60	20	20	-	-	-	100	1	0	-	-	1	1	
6	DBSNOPHY001P	Physics Lab.	-	-	-	30	10	10	50	-	-	2	-	1	2	
7	DBSNOCOS001P	Communication Skills Lab.	-	-	-	30	10	10	50	-	-	2	-	1	2	
8	DMENOENG001P	Engineering Graphics Lab.	-	-	-	30	10	10	50	-	-	6	-	3	6	
9	DMENOWSP001P	Workshop Practice	-	-	-	30	10	10	50	-	-	4	-	2	4	
10	DCENOPRA002N	Professional Activities	-	-	-	-	20	30	50	-	-	-	4	2	-	
		Total	300	100	100	120	60	70	750	13	3	14	4	25	30	

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CHOICE BASED GRADING SYSTEM
PROGRAM STRUCTURE
Effective For ACADEMIC SESSION: 2025-26

Program Code : Diploma (CE)

Program :-Diploma in Civil Engineering

Semester: III

For Admission Batch: 2024-25, 2025-26

Subject wise Distribution of Marks and corresponding Credits

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total		
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC			
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WORK	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach		
1	DCENOTRE001T	Transportation Engineering - I	60	20	20	-	-	-	100	2	1	-	-	3	3	
2	DCENOCED001T	Civil Engineering Drawing	60	20	20	-	-	-	100	2	1	-	-	3	3	
3	DCENOSUR001T	Surveying	60	20	20	-	-	-	100	2	1	-	-	3	3	
4	DCENOMOS001T	Mechanics of Solid	60	20	20	-	-	-	100	2	1	-	-	3	3	
5	DCENOCMT001T	Construction Material & Techniques	60	20	20	-	-	-	100	2	1	-	-	3	3	
6	DCENOECH001T	Environmental Conservation & Hazard Management	60	20	20	-	-	-	100	2	-	-	-	2	2	
7	DCENOCED001P	Civil Engineering Drawing Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
8	DCENOSUR001P	Surveying Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
9	DCENOMOS001P	Mechanics of Solid Lab.	-	-	-	30	10	10	50	-	-	2	-	1	2	
10	DCENOCMT001P	Construction Material & Techniques Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
		Total	360	120	120	120	40	40	800	12	5	14	0	24	31	

NOTE: NTCC assessment shall be as per NTCC Guidelines. [NTCC: Field work/Major & Minor Project/Studio/Outreach/Term Paper/ Assignment/ Seminar/Policy Debate/Internship]. One credit of NTCC refers to Two Hours of activities in the chosen area. * Set of MOOC (NPTEL/ Swayam /IITBX / EDX etc.) will be offered to students . The students have to opt any one course from the offered set to earn extra credits.

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CIVIL ENGINEERING DEPARTMENT
CHOICE BASED GRADING SYSTEM
PROGRAM STRUCTURE
Effective For ACADEMIC SESSION: 2025-26

Program Code : Diploma (CE)

Program :-Diploma in Civil Engineering

Semester: IV

For Admission Batch: 2024-25, 2025-26

Subject wise Distribution of Marks and corresponding Credits

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total		
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC			
				Mid Sem Test (MST)	Attendance/ Quiz/Assignment		Lab Work/ WP R	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach		
1	DCENORCC001T	Reinforced Cement Concrete Design	60	20	20	-	-	-	100	3	1	-	-	4	4	
2	DCENOHDE001T	Hydraulic Engineering	60	20	20	-	-	-	100	3	0	-	-	3	3	
3	DCENOSLM001T	Soil Mechanics	60	20	20	-	-	-	100	3	0	-	-	3	3	
4	DCENOTOS001T	Theory of Structure	60	20	20	-	-	-	100	2	1	-	-	3	3	
5	DCENORCC001P	Reinforced Cement Concrete Design Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
6	DCENOHDE001P	Hydraulic Engineering Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
7	DCENOSLM001P	Soil Mechanics Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
8	DCENOTOS001P	Theory of Structure Lab.	-	-	-	30	10	10	50	-	-	2	-	1	2	
9	DCENOCNS001P	Construction Skills Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
10	DCENOSRC001P	Survey Camp	-	-	-	-	-	50	50	-	-	-	4	2	-	
		Total	240	80	80	150	50	100	700	11	2	18	4	24	31	

NOTE: NTCC assessment shall be as per NTCC Guidelines. [NTCC: Field work/Major& Minor Project/Studio/Outreach/Term Paper/ Assignment/ Seminar/Policy Debate/Internship]. One credit of NTCC refers to Two Hours of activities in the chosen area.

* Set of MOOC (NPTEL/ Swayam /IITBX / EDX etc.) will be offered to students . The students have to opt any one course from the offered set to earn extra credits.

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PROGRAM STRUCTURE
Effective For ACADEMIC SESSION: 2025-26

Program Code : Diploma (CE)

Program :-Diploma in Civil Engineering

Semester: V

For Admission Batch: 2023-24, 2024-25, 2025-26

Subject wise Distribution of Marks and corresponding Credits

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total		
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC			
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WP R	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach		
1	DCENODSS001T	Design of Steel Structures	60	20	20	-	-	-	100	2	1	-	-	3	3	
2	DCENOTRE002T	Transportation Engineering- II	60	20	20	-	-	-	100	2	1	-	-	3	3	
3	DCENOWRI001T	Water Resources & Irrigation Engineering	60	20	20	-	-	-	100	2	1	-	-	3	3	
4	DCENOWSS001T	Water Supply & Sanitary Engineering	60	20	20	-	-	-	100	3	0	-	-	3	3	
5	DCENOCOM001T	Construction Management	60	20	20	-	-	-	100	3	1	-	-	4	4	
6	DCENODSS001P	Design of Steel Structures Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
7	DCENOTRE002P	Transportation Engineering- II Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
8	DCENOWRI001P	Water Resources & Irrigation Engineering Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
9	DCENOWSS001P	Water Supply & Sanitary Engineering Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
Total			300	100	100	120	40	40	700	12	4	16	0	24	32	

NOTE: NTCC assessment shall be as per NTCC Guidelines. [NTCC: Field work/Major& Minor Project/Studio/Outreach/Term Paper/ Assignment/ Seminar/Policy Debate/Internship]. One credit of NTCC refers to Two Hours of activities in the chosen area. Students have to undergo 4 Week Internship which will assessed in VI Semester.

* Set of MOOC (NPTEL/ Swayam /IITBX / EDX etc.) will be offered to students . The students have to opt any one course from the offered set to earn extra credits.

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When Success is a Tradition

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Program Code : Diploma (CE)

Program :-Diploma in Civil Engineering

Semester: VI

For Admission Batch: 2023-24, 2024-25, 2025-26

Subject wise Distribution of Marks and corresponding Credits

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total		
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC			
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach		
1	DCENOECV001T	Estimation, Costing & Valuation	60	20	20	-	-	-	100	2	1	-	-	3	3	
2	DCENOSFE001T	Foundation Engineering	60	20	20	-	-	-	100	2	1	-	-	3	3	
3	TO BE SELECTED FROM LIST	Elective - I	60	20	20	-	-	-	100	3	0	-	-	3	3	
4	TO BE SELECTED FROM LIST	Elective - II	60	20	20	-	-	-	100	3	0	-	-	3	3	
5	DCENOECV001P	Estimation, Costing & Valuation Lab.	-	-	-	30	10	10	50	-	-	4	-	2	4	
6	DCENOCPD001P	Computer Programming & Aided Drawing	-	-	-	30	10	10	50	-	-	4	-	2	4	
7	DCENOPRO001P	Project	-	-	-	100	50	50	200	-	-	8	-	4	8	
8	DCENOITI001N	Industrial Training/Internship	-	-	-	-	20	30	50	-	-	-	-	1	0	
Total			240	80	80	160	90	100	750	10	2	16	0	21	28	

List of Elective-I		
1	DCENOMOB001T	Maintenance of Building
2	DCENOAWR001T	Advanced Water Resources Engineering

List of Elective-II		
1	DCENOARD001T	Advance RCC Design
2	DCENOASD001T	Advance Steel Design

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