



STUDY AND EVALUATION SCHEME (2024-2025)

SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

Program: BTech(CivilEngineering)

Semester:1st

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	CEL0101[T]	Introduction to Structural Engineering	60	20	20	0	0	0	100	2	1	0	3
2	ECL0101[T]	Basic Electronics	60	20	20	0	0	0	100	2	1	0	3
3	HUL0101[T]	Communication Skills & Colloquium	60	20	20	0	0	0	100	3	0	0	3
4	MAL0101[T]	Calculus For Engineers	60	20	20	0	0	0	100	2	1	0	3
5	MEL0101[T]	Engineering Mechanics	60	20	20	0	0	0	100	2	1	0	3
6	CEL0101[P]	Introduction to Structural Engineering	0	0	0	60	20	20	100	0	0	1	1
7	ECL0101[P]	Basic Electronics	0	0	0	60	20	20	100	0	0	1	1
8	HUL0101[P]	Communication Skills & Colloquium	0	0	0	60	20	20	100	0	0	1	1
9	MAL0101[P]	Calculus For Engineers	0	0	0	60	20	20	100	0	0	1	1
10	MEL0101[P]	Engineering Mechanics	0	0	0	60	20	20	100	0	0	1	1
11	MEP0101[P]	Mechanical Workshop Practice	0	0	0	60	20	20	100	0	0	1	1
Total Credits													21

Newly Added Courses



STUDY AND EVALUATION SCHEME (2024-2025)

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Programme: BTech(CivilEngineering)

Semester: 2nd

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	CEL0233[T]	Structural Materials	60	20	20	0	0	0	100	2	1	0	3
2	CSL0201[T]	Essentials of Information Technology	60	20	20	0	0	0	100	2	0	0	2
3	EEL0201[T]	Principles of Electrical Engineering	60	20	20	0	0	0	100	2	1	0	3
4	MAL0203[T]	Statistics For Engineers	60	20	20	0	0	0	100	2	1	0	3
5	MCL0201[T]	Environmental Pollution and Global Issues	60	20	20	0	0	0	100	3	1	0	4
6	MCL0202[T]	Making of Modern India	60	20	20	0	0	0	100	2	0	0	2
7	MEL0202[T]	Engineering Graphics	60	20	20	0	0	0	100	2	0	0	2
8	AUP0201	Indian Knowledge System	0	0	0	0	0	0	0	0	0	2	2
9	CEL0233[P]	Structural Materials	0	0	0	60	20	20	100	0	0	1	1
10	CSL0201[P]	Essentials of Information Technology	0	0	0	60	20	20	100	0	0	1	1
11	CSP0201[P]	Programming Logics	0	0	0	60	20	20	100	0	0	2	2
12	EEL0201[P]	Principles of Electrical Engineering	0	0	0	60	20	20	100	0	0	1	1
13	MAL0203[P]	Statistics For Engineers	0	0	0	60	20	20	100	0	0	1	1
14	MEL0202[P]	Engineering Graphics	0	0	0	60	20	20	100	0	0	1	1
Total Credits													28

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2024-2025)

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Programme:BTech(CivilEngineering)

Semester:3rd

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit	
			Theory			Practical			Total Marks					
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P		
1	CEL0302[T]	Strength of Materials	40	30	30	0	0	0	100	2	1	0	3	
2	CEL0303[T]	Concrete Technology	40	30	30	0	0	0	100	2	1	0	3	
3	CEL0313[T]	Highway and Traffic Engineering	40	30	30	0	0	0	100	2	1	0	3	
4	CEL0331[T]	Elementary design of structures (RCC)	40	30	30	0	0	0	100	2	1	0	3	
5	CEL0333[T]	Building Planning and Drawing	40	30	30	0	0	0	100	2	0	0	2	
6	MAL0308[T]	Engineering Mathematics	40	30	30	0	0	0	100	3	1	0	4	
7	CED0301[P]	Evaluation of Industrial Training -I	0	0	0	40	30	30	100	0	0	2	2	
8	CEL0302[P]	Strength of Materials	0	0	0	40	30	30	100	0	0	1	1	
9	CEL0303[P]	Concrete Technology	0	0	0	40	30	30	100	0	0	1	1	
10	CEL0313[P]	Highway and Traffic Engineering	0	0	0	40	30	30	100	0	0	1	1	
11	CEL0331[P]	Elementary design of structures (RCC)	0	0	0	40	30	30	100	0	0	1	1	
12	CEL0333[P]	Building Planning and Drawing	0	0	0	40	30	30	100	0	0	1	1	
Total Credits													25	

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2024-2025)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BTech(CivilEngineering)

Semester: 4th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit	
			Theory			Practical			Total Marks					
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P		
1			0	0	0	0	0	0	0	0	0	0	0	
2			40	30	30	0	0	0	100	2	1	0	3	
3	CEL0406[T]	Fluid Mechanics	60	20	20	0	0	0	100	2	1	0	3	
4	CEL0407[T]	Digital Land Surveying and Mapping(MOOC)	60	20	20	0	0	0	100	2	1	0	3	
5	CEL0408[T]	Fundamentals of Geotechnical Engineering	60	20	20	0	0	0	100	2	1	0	3	
6	CEL0409[T]	Basic Methods of Structural Analysis	60	20	20	0	0	0	100	3	1	0	4	
7	CEL0432[T]	Elementary Design of Structures (Steel)	60	20	20	0	0	0	100	2	1	0	3	
8			0	0	0	0	0	0	0	0	0	0	0	
9			0	0	0	40	30	30	100	0	0	1	1	
10	CEL0406[P]	Fluid Mechanics	0	0	0	60	20	20	100	0	0	1	1	
11	CEL0407[P]	Digital Land Surveying and Mapping	0	0	0	60	20	20	100	0	0	1	1	
12	CEL0408[P]	Fundamentals of Geotechnical Engineering	0	0	0	60	20	20	100	0	0	1	1	
13	CSP0401[P]	OOPM	0	0	0	60	20	20	100	0	0	2	2	
Total Credits													25	

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2024-2025)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:BTech(CivilEngineering)

Semester:5th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit	
			Theory			Practical			Total Marks					
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P		
1	CEL0510[T]	Hydraulics & fluid machine	40	30	30	0	0	0	100	2	1	0	3	
2	CEL0511[T]	Advanced Surveying	40	30	30	0	0	0	100	2	1	0	3	
3	CEL0512[T]	Fundamentals of Structural design(RCC)	40	30	30	0	0	0	100	2	1	0	3	
4	CEL0514[T]	Advanced Methods of Structural Analysis	40	30	30	0	0	0	100	3	1	0	4	
5	CEL0515[T]	Advanced Geotechnical Engineering	40	30	30	0	0	0	100	2	1	0	3	
6	CED0501[P]	Industrial Training	0	0	0	40	30	30	100	0	0	2	2	
7	CEL0510[P]	Hydraulics & fluid machine	0	0	0	40	30	30	100	0	0	1	1	
8	CEL0511[P]	Advanced Surveying	0	0	0	40	30	30	100	0	0	1	1	
9	CEL0512[P]	Fundamentals of Structural design(RCC)	0	0	0	40	30	30	100	0	0	1	1	
10	CEL0515[P]	Advanced Geotechnical Engineering	0	0	0	40	30	30	100	0	0	1	1	
Total Credits													22	

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2024-2025)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BTech(CivilEngineering)

Semester: 6th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CEL0617[T]	Basic of Structural Design (Steel)	40	30	30	0	0	0	100	2	1	0	3
2	CEL0619[T]	Advanced Structural Design (RCC)	40	30	30	0	0	0	100	2	1	0	3
3	CEL0621[T]	Quantity Surveying & Costing	40	30	30	0	0	0	100	2	1	0	3
4	CEL0634[T]	Environmental Engineering	40	30	30	0	0	0	100	2	1	0	3
5	CED0601[P]	Minor Project	0	0	0	40	30	30	100	0	0	2	2
6	CEL0617[P]	Basic of Structural Design (Steel)	0	0	0	40	30	30	100	0	0	1	1
7	CEL0619[P]	Advanced Structural Design (RCC)	0	0	0	40	30	30	100	0	0	1	1
8	CEL0621[P]	Quantity Surveying & Costing	0	0	0	40	30	30	100	0	0	1	1
9	CEL0634[P]	Environmental Engineering	0	0	0	40	30	30	100	0	0	1	1
10		Elective1.	40	30	30	0	0	0	100	3	0	0	3
Total Credits													21

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2024-2025)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BTech(CivilEngineering)

Semester: 7th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	CEL0723[T]	Advanced Structural Design(Steel)	40	30	30	0	0	0	100	2	1	0	3
2	CEL0725[T]	Introduction to Construction Planning and Management	40	30	30	0	0	0	100	3	1	0	4
3	CEL0731[T]	Railway Engineering	40	30	30	0	0	0	100	3	1	0	4
4	CED0702[P]	Industrial training	0	0	0	40	30	30	100	0	0	2	2
5	CED0703[P]	Major Project (Planning and Literature Survey)	0	0	0	40	30	30	100	0	0	2	2
6	CEL0723[P]	Advanced Structural Design(Steel)	0	0	0	40	30	30	100	0	0	1	1
7		Elective3.	40	30	30	0	0	0	100	3	1	0	4
8		Elective2.	40	30	30	0	0	0	100	3	1	0	4
Total Credits													24

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2024-2025)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:BTech(CivilEngineering)

Semester:8th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	CEL0827[T]	Design of Hydraulic Structures	40	30	30	0	0	0	100	2	1	0	3
2	CEL0831[T]	Retrofitting and rehabilitation of structures	40	30	30	0	0	0	100	3	1	0	4
3	CED0804[P]	Major Project	0	0	0	40	30	30	100	0	0	8	8
4	CEL0827[P]	Design of Hydraulic Structures	0	0	0	40	30	30	100	0	0	1	1
5		Elective5.	40	30	30	0	0	0	100	3	1	0	4
6		Elective4.	40	30	30	0	0	0	100	3	1	0	4
Total Credits													24

[Newly Added Courses](#)



List of Elective Subjects

Course Code	Course Name	Subject Type	Semest
502[T]	Geo-synthetics and Reinforced Soil Structures	Elective1	6th
503[T]	Introduction to Finite Element Analysis	Elective1	6th
504[T]	Smart Cities	Elective1	6th
501[T]	Surface Water Hydrology(MOOC)	Elective1.	6th
701[T]	MATRIX ANALYSIS OF STRUCTURES	Elective2	7th
703[T]	Pavement Design	Elective2	7th
707[T]	Wastewater Treatment and Recycling	Elective2	7th
702[T]	Advanced Foundation Engineering	Elective2.	7th
705[T]	Fundamentals of Remote Sensing & GIS	Elective3	7th
706[T]	Fluid Dynamics	Elective3	7th
708[T]	Sustainable Construction Methods	Elective3	7th
704[T]	Seismic analysis of structures	Elective3.	7th
307[T]	Plastic design of steel structure	Elective4	8th
308[T]	Building Environment & Services	Elective4	8th
313[T]	Solid Waste Management	Elective4	8th
309[T]	Design of Pre stressed Concrete Structure	Elective4.	8th
311[T]	Energy Efficient and Green Building	Elective5	8th
312[T]	Airport Engineering	Elective5	8th
314[T]	Urban Transportation Planning	Elective5	8th
310[T]	Traffic Engineering	Elective5.	8th