



**STUDY AND EVALUATION SCHEME (2023-2024)**  
**SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS**

Program:BTech(CivilEngineering)

Semester:1st

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	CEL0101[T]	Introduction to Structural Engineering	40	30	30	0	0	0	100	2	1	0	3
2	ECL0101[T]	Basic Electronics	40	30	30	0	0	0	100	2	1	0	3
3	HUL0101[T]	Communication Skills & Colloquim	40	30	30	0	0	0	100	2	1	0	3
4	MAL0101[T]	Calculus For Engineers	40	30	30	0	0	0	100	2	1	0	3
5	MEL0101[T]	Engineering Mechanics	40	30	30	0	0	0	100	2	1	0	3
6	CEL0101[P]	Introduction to Structural Engineering	0	0	0	40	0	0	40	0	0	1	1
7	ECL0101[P]	Basic Electronics	0	0	0	40	0	0	40	0	0	1	1
8	HUL0101[P]	Communication Skills & Colloquim	0	0	0	40	0	0	40	0	0	1	1
9	MAL0101[P]	Calculus For Engineers	0	0	0	40	0	0	40	0	0	1	1
10	MEL0101[P]	Engineering Mechanics	0	0	0	40	0	0	40	0	0	1	1
11	MEP0101[P]	Mechanical Workshop Practice	0	0	0	40	0	0	40	0	0	1	1
<b>Total Credits</b>												<b>21</b>	

\*Newly Added Courses

\*



## STUDY AND EVALUATION SCHEME ( SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: BTech(CivilEngineering)

Semester: 2nd

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			Total
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	CEL0233[T]	Structural Materials	40	30	30	0	0	0	100	2	1	0	3
2	CSL0201[T]	Essentials of Information Technology	40	30	30	0	0	0	100	2	0	0	2
3	EEL0201[T]	Principles of Electrical Engineering	40	30	30	0	0	0	100	2	1	0	3
4	MAL0203[T]	Statistics For Engineers	40	30	30	0	0	0	100	2	1	0	3
5	MCL0201[T]	Environmental Pollution and Global Issues	40	30	30	0	0	0	100	3	1	0	4
6	MCL0202[T]	Making of Modern India	40	30	30	0	0	0	100	2	0	0	2
7	MEL0202[T]	Engineering Graphics	40	30	30	0	0	0	100	2	0	0	2
8	CEL0233[P]	Structural Materials	0	0	0	40	30	30	100	0	0	1	1
9	CSL0201[P]	Essentials of Information Technology	0	0	0	40	30	30	100	0	0	1	1
10	CSP0201[P]	Programming Logics	0	0	0	40	30	30	100	0	0	2	2
11	EEL0201[P]	Principles of Electrical Engineering	0	0	0	40	30	30	100	0	0	1	1
12	MAL0203[P]	Statistics For Engineers	0	0	0	40	30	30	100	0	0	1	1
13	MEL0202[P]	Engineering Graphics	0	0	0	40	30	30	100	0	0	1	1
<b>Total Credits</b>												<b>26</b>	

\*Newly Added Courses

\*



## STUDY AND EVALUATION SCHEME ( SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: BTech(CivilEngineering)

Semester: 3rd

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			Total
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
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 -1	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
<b>Total Credits</b>												<b>25</b>	

\*Newly Added Courses

\*



## STUDY AND EVALUATION SCHEME ( SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: BTech(CivilEngineering)

Semester: 4th

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			Total
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	CEL0406[T]	Fluid Mechanics	40	30	30	0	0	0	100	2	1	0	3
2	CEL0407[T]	Fundamentals of Surveying	40	30	30	0	0	0	100	2	1	0	3
3	CEL0408[T]	Fundamentals of Geotechnical Engineering	40	30	30	0	0	0	100	2	1	0	3
4	CEL0409[T]	Basic Methods of Structural Analysis	40	30	30	0	0	0	100	3	1	0	4
5	CEL0432[T]	Elementary Design of Structures (Steel)	40	30	30	0	0	0	100	2	1	0	3
6	CEL0406[P]	Fluid Mechanics	0	0	0	40	30	30	100	0	0	1	1
7	CEL0407[P]	Fundamentals of Surveying	0	0	0	40	30	30	100	0	0	1	1
8	CEL0408[P]	Fundamentals of Geotechnical Engineering	0	0	0	40	30	30	100	0	0	1	1
9	CSP0401[P]	OOPM	0	0	0	40	30	30	100	0	0	2	2
<b>Total Credits</b>													<b>21</b>

\*Newly Added Courses

\*

## STUDY AND EVALUATION SCHEME

( SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: BTech(CivilEngineering)

Semester: 5th

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			Total
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
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 Geotech 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 Geotech Engineering	0	0	0	40	30	30	100	0	0	1	1
<b>Total Credits</b>												<b>22</b>	

\*Newly Added Courses

\*



## STUDY AND EVALUATION SCHEME ( SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: BTech(CivilEngineering)

Semester: 6th

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			Total	
			Theory			Practical			Total Marks	L	T	P		
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva						
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	1	0	4	
<b>Total Credits</b>														<b>22</b>

\*Newly Added Courses

\*



## STUDY AND EVALUATION SCHEME

( SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: BTech(CivilEngineering)

Semester: 7th

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			Total
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
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
<b>Total Credits</b>												<b>24</b>	

\*Newly Added Courses

\*



## STUDY AND EVALUATION SCHEME ( SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: BTech(CivilEngineering)

Semester: 8th

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			Total
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
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
<b>Total Credits</b>													<b>24</b>

\*Newly Added Courses

\*





## List of Elective Subjects

Subject Code	Subject Name	Subject Type	Semester
30602[T]	Geo-synthetics and Reinforced Soil Structures	Elective1	6th
30603[T]	Introduction to Finite Element Analysis	Elective1	6th
30604[T]	Smart Cities	Elective1	6th
30601[T]	Water Resource & Irrigation Engineering	Elective1.	6th
30701[T]	MATRIX ANALYSIS OF STRUCTURES	Elective2	7th
30703[T]	Pavement Design	Elective2	7th
30707[T]	Wastewater Treatment and Recycling	Elective2	7th
30702[T]	Advanced Foundation Engineering	Elective2.	7th
30705[T]	Fundamentals of Remote Sensing & GIS	Elective3	7th
30706[T]	Fluid Dynamics	Elective3	7th
30708[T]	Sustainable Construction Methods	Elective3	7th
30704[T]	Seismic analysis of structures	Elective3.	7th
30807[T]	Plastic design of steel structure	Elective4	8th
30808[T]	Building Environment & Services	Elective4	8th
30813[T]	Solid Waste Management	Elective4	8th
30809[T]	Design of Pre stressed Concrete Structure	Elective4.	8th
30811[T]	Energy Efficient and Green Building	Elective5	8th
30812[T]	Airport Engineering	Elective5	8th
30814[T]	Urban Transportation Planning	Elective5	8th
30810[T]	Traffic Engineering	Elective5.	8th