



STUDY & EVALUATION SCHEME

Branch: B. Tech Civil Engineering Program as per NEP-2020

(w.e.f. Batch 2024-25)

Year – I, Semester – I

Year - 1, Semester - I																
S. No.	Course Category	Code No	Name of Subject	Periods				Evaluation Scheme								Subject Total
				L	T	P	C	Continuous Assessment (CA)					ESE			
								CT		TA		Total	TE	PE	Total	
								TH	P	TH	P					
1	BSC	CH101	Chemistry	3	-	2	4	50	15	25	10	100	75	25	100	200
2	ESC	EE103	Basic Electrical Engineering	3	-	2	4	50	15	25	10	100	75	25	100	200
3	BSC	MT101	Mathematics I	3	1	-	4	50	-	25	-	75	75	-	75	150
4	ESC	EC101	Basic Electronics	3	-	-	3	50	-	25	-	75	75	-	75	150
5	HSMC	ES101	Environmental Studies	3	-	-	3	50	-	25	25	75	75	-	75	150
6	ESC	CE102	Civil Engineering Drawing	-	-	4	2	-	15	-	10	25	-	25	25	50
7	HSMC	HM101	Rastra Gaurav	2	-	-	0	50	-	25	-	75	75	-	75	150
Total							20					525			525	1050

L – Lecture; **T** – Tutorial; **P** – Practical; **C** – Credits; **CT** – Class Test; **TA** – Teacher's Assessment, **TH** – Theory, **TE**- Theory Exam, **PE**- Practical Exam

Continuous Assessment (CA) = Class Test + Teacher Assessment

End Semester Exam (ESE) = Theory Exam + Practical Exam

Subject Total = CA + ESE

BSC – Basic Sciences

HSMC – Humanities

PEC – Departmental Elective

PCC – Departmental Core

OEC – Open Elective

ESC – Engineering Science & Art (Foundation Course & Engineering Courses)



STUDY & EVALUATION SCHEME

Branch: B. Tech Civil Engineering Program as per NEP-2020

(w.e.f. Batch 2024-25)

Year – I, Semester – II

S. No.	Course Category	Code No	Name of Subject	Periods				Continuous Assessment (CA)			Exam ESE			Course Total
				L	T	P	Credits	CT	TA	Total	TE	PE	Total	
1	BSC	PY101	Physics	3	-	2	4	65	35	100	75	25	100	200
2	BSC	MT112	Mathematics II	3	1	-	4	50	25	75	75	-	75	150
3	ESC	CS101	Computer Programming	3	-	2	4	65	35	100	75	25	100	200
4	ESC	ME101	Basic Mechanical Engineering and Workshop	3	-	2	4	65	35	100	75	25	100	200
5	PEC	As per Annexure	Department Elective - I	3	-	-	3	50	25	75	75	-	75	150
6	ESC	CE103	Building Information Modelling	-	-	4	2	15	10	25	-	25	25	50
7	IPC	CE104	Internship/Mini Project/Training	-	-	2	1	-	-	50	-	-	-	50
Total				15	1	12	22	-	-	525	-	-	475	1000

L – Lecture; **T** – Tutorial; **P** – Practical; **C** – Credits; **CT** – Class Test; **TA** – Teacher's Assessment,

TE- Theory Exam, **PE**- Practical Exam

Continuous Assessment (CA) = Class Test + Teacher Assessment

End Semester Exam (ESE) = Theory Exam + Practical Exam

Course Total = CA + ESE

BSC- Basic Science Courses

ESC- Engineering Science Courses

PEC- Professional Elective Courses

IPC- Internship/Project Courses

Departmental Elective – I

CE106 Introduction to Civil Engineering Profession

CE161 Sustainable Design of Building

CE162 Construction Equipment and Techniques



STUDY & EVALUATION SCHEME

Branch: B. Tech Civil Engineering Program as per NEP-2020

(w.e.f. Batch 2024-25)

Year – II, Semester – III

S. No.	Course Category	Code No	Name of Subject	Periods				Continuous Assessment (CA)			Exam ESE			Course Total
				L	T	P	Credits	CT	TA	Total	TE	PE	Total	
1	PCC	CE201	Fluid Mechanics	3	-	2	4	65	35	100	75	25	100	200
2	PCC	CE202	Basic Surveying	3	-	2	4	65	35	100	75	25	100	200
3	PCC	CE203	Building Material and Construction	3	-	2	4	65	35	100	75	25	100	200
4	PCC	CE204	Strength of Material	3	1	-	4	50	25	75	75	-	75	150
5	PCC	CE231	Geotechnical Engineering	3	-	2	4	65	35	100	75	25	100	200
6	HSSM	ES203	Disaster Management and Mitigation	3	-	-	3	50	25	75	75	-	75	150
7	MC	BM226	Human Values & Ethics	2	-	-	0	-	-	-	100	-	100	100
Total				20	1	8	23			550			650	1200

L – Lecture; **T** – Tutorial; **P** – Practical; **C** – Credits; **CT** – Class Test; **TA** – Teacher's Assessment,

TE- Theory Exam, **PE**- Practical Exam

Continuous Assessment (CA) = Class Test + Teacher Assessment

End Semester Exam (ESE) = Theory Exam + Practical Exam

Course Total = CA + ESE

PCC- Professional Core Courses

MC- Mandatory Course

HSSM- Humanities, Social Sciences & Management Courses



STUDY & EVALUATION SCHEME

Branch: B. Tech Civil Engineering Program as per NEP-2020

(w.e.f. Batch 2024-25)

Year – II, Semester – IV

S. No.	Course Category	Code No	Name of Subject	Periods				Continuous Assessment (CA)			Exam ESE			Course Total
				L	T	P	Credits	CT	TA	Total	TE	PE	Total	
1	PCC	CE210	Advance Surveying	3	-	2	4	65	35	100	75	25	100	200
2	PCC	CE211	Concrete Technology	3		2	4	65	35	100	75	25	100	200
3	PCC	CE212	Structural Analysis-I	3	-	2	4	65	35	100	75	25	100	200
4	PCC	CE234	Design of Reinforced Concrete Elements	3	1	-	4	50	25	75	75	-	75	150
5	PCC	CE335	Advance Geotechnical Engineering	3	-	-	3	50	25	75	75	-	75	150
6	OEC	As per Annexure	Open Elective -1	3	-	-	3	50	25	75	75	-	75	150
7	PCC	CE252	Comprehensive Assessment - I	-	-	2	1	-	-	50	-	-	-	50
8	IPC	CE255	Internship/Mini Project/Training	-	-	2	1	-	-	50	-	-	-	50
Total				18	1	10	24			625			525	1150

L – Lecture; **T** – Tutorial; **P** – Practical; **C** – Credits; **CT** – Class Test; **TA** – Teacher's Assessment,

TE- Theory Exam, **PE**- Practical Exam

Continuous Assessment (CA) = Class Test + Teacher Assessment

End Semester Exam (ESE) = Theory Exam + Practical Exam

Course Total = CA + ESE

PCC- Professional Core Courses

OEC- Open Elective Courses

IPC- Internship/Project Courses



STUDY & EVALUATION SCHEME

Branch: B. Tech Civil Engineering Program as per NEP-2020

(w.e.f. Batch 2025-26)

Year – I, Semester – I

S. No.	Course Category	Code No	Name of Subject	Periods				Continuous Assessment (CA)			Exam ESE			Course Total
				L	T	P	Credits	CT	TA	Total	TE	PE	Total	
1	BSC	CH101	Chemistry	3	-	2	4	65	35	100	75	25	100	200
2	BSC	MT101	Mathematics I	3	1	-	4	50	25	75	75	-	75	150
3	ESC	EE103	Basic Electrical Engineering	3	-	2	4	65	35	100	75	25	100	200
4	ESC	EC101	Basic Electronics	3	-	-	3	50	25	75	75	-	75	150
5	HSSM	ES102	Concept of Environmental Studies	3	-	-	3	50	25	75	75	-	75	150
6	ESC	CE102	Civil Engineering Drawing	-	-	4	2	15	10	25	-	25	25	50
7	MC	HM101	Rastra Gaurav	2	-	-	0	-	-	-	-	-	100	100
Total				17	1	8	20			450			550	1000

L – Lecture; **T** – Tutorial; **P** – Practical; **C** – Credits; **CT** – Class Test; **TA** – Teacher's Assessment,

TE- Theory Exam, **PE**- Practical Exam

Continuous Assessment (CA) = Class Test + Teacher Assessment

End Semester Exam (ESE) = Theory Exam + Practical Exam

Course Total = CA + ESE

BSC- Basic Science Courses

ESC- Engineering Science Courses

MC- Mandatory Course

HSSM- Humanities, Social Sciences & Management Courses