Semester-I

S.No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	ES103M/ EA101M	Introduction to Programming/	BET/	2-0-3-4 1-0-3-3	ES1101/ EA1101	14
2.	CY101L/ CY102L	Engineering Drawing Physical and Theoretical Chemistry/ Organic and Inorganic Chemistry	BES SCY	2-1-0-3	CY1101/ CY1202	4 4 4
3.	ES101M	Concepts in Engineering and Design	BET	1-0-2-2	ID1101	4
4.	MA101L	Calculus	SMA	3-1-0-4	MA1101	4
5.	PH101L	Introduction to Classical Mechanics	SPH	2-1-0-3	PH1101	4
6.	PH103P/ CY103P	Physics Laboratory/ Chemistry Laboratory	SPH/ SCY	0-0-3-2	PH1103/ CY1204	4 4
7.	EA101P	Workshop-I	BES	0-0-3-2	EA1103	4
8.	HS10XN	Language Course (Pass/Fail)	HPF	2-0-0-2	HS110X	
		Total Credits		22/21		

Approved Language Courses

Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
HS101N	Proficiency in English			HS1101	4
HS102N	Basic Course in German			HS1103	6
HS103N	Basic Course in Japanese	HPF	2-0-0-2	HS1105	6
HS104N	Basic Course in Sanskrit			HS1107	6
HS105N	Basic Course in Spanish Language			HS1109	9

Semester-II

S.No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	ES103M/ EA101M	Introduction to Programming/ Engineering Drawing	BET/ BES	2-0-3-4 1-0-3-3	ES1101/ EA1101	14 4
2.	CY101L/ CY102L	Physical and Theoretical Chemistry/ Organic and Inorganic Chemistry	SCY	2-1-0-3	CY1101/ CY1202	4 4
3.	ES201L	Engineering Mechanics	BET	3-1-0-4	ES2101	4
4.	MA102L	Differential Equations and Matrices	SMA	3-1-0-4	MA1202	4
5.	PH102L	Introduction to Electrodynamics and Quantum Mechanics	SPH	2-1-0-3	PH1202	4
6.	PH103P/ CY103P	Physics Laboratory/ Chemistry Laboratory	SPH/SCY	0-0-3-2	PH1103/ CY1204	4 4
7.	EA102P	Workshop-II	BES	0-0-3-2	EA1202	4
Total Credits					21/22	

Semester-III

S. No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE201L	Strength of Materials	PMT	3-1-0-4	CE2101	8
2.	CE203L	Surveying	PMT	3-0-0-3	CE2103	8
3.	CE202L	Civil Engineering Materials and Construction	PMT	3-0-0-3	CE2105	8
4.	CE203P	Surveying Practical	PML	0-0-3-2	CE2191	8
5.	ES102L	Basic Electrical Engineering	BET	3-1-0-4	ES1201	8
6.	ES202L/ ES203L	Ecology and Environment/ Life Sciences	BET/ SLS	2-0-0-2 2-0-0-2	ES2103/ BS2101	8 9
7.	HSE1	Humanities Elective-1	HSS	3-0-0-3		
8.	MAE1	Mathematics Elective-1	SMA	3-0-0-3		
	Total Credits				24	

Semester-IV

S.No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	ES202L/ ES203L	Ecology and Environment/ Life Sciences	BET/ SLS	2-0-0-2 2-0-0-2	ES2103/ BS2101	8
2.	CE206L	Structural Analysis	PMT	3-1-0-4	CE2202	8
3.	CE204L	Geology and Soil Mechanics	PMT	3-1-0-4	CE2204	8
4.	CE207L	Fluid Mechanics and Hydraulics	PMT	3-1-0-4	CE2206	8
5.	CE206P	Structural Engineering Laboratory	PML	0-0-3-2	CE2292	8
6.	CE205P	Building Drawing	PML	0-0-3-2	CE2294	8
7.	HSE2	Humanities Elective-2	HSS	3-0-0-3		
8.	MAE2	Mathematics Elective-2	SMA	3-0-0-3		
	Total Credits				24	

Semester-V

S. No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE301L	Basic Structural Steel Design	PMT	3-1-0-4	CE3101	8
2.	CE302L	Water Resources Engineering	PMT	3-1-0-4	CE3103	8
3.	CE303L	Environmental Engineering	PMT	3-1-0-4	CE3105	8
4.	CE305P	Hydraulics and Environmental Engineering Laboratory	PML	0-0-3-2	CE3191	8
5.	CE304P	Building Materials Laboratory	PML	0-0-3-2	CE3193	8
6.	FRE1	Free Elective 1	FRE	3-0-0-3		
7.	FRE2	Free Elective 2	FRE	3-0-0-3		
	Total Credits				22	

Semester-VI

S.No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE306L	Basic Reinforced Concrete Design	PMT	3-1-0-4	CE3202	8
2.	CE307L	Geotechnical Engineering	PMT	3-1-0-4	CE3204	8
3.	CE308L	Transportation Engineering	PMT	3-1-0-4	CE3206	8
4.	CE308P	Transportation Engineering Laboratory	PML	0-0-3-2	CE3292	8
5.	DPE1	Department Elective-1	PMT	3-0-0-3		
6.	HSE3	Humanities Elective-3	HSS	3-0-0-3		
SUMME	SUMMER					
7.	CE391G	Industrial/Research Internship	PIT	2	IT3202	1
Total Credits					22	

Semester-VII

S. No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE401L	Estimation and Construction Management	PMT	3-1-0-4	CE4101	8
2.	CE402L	Functional Design of Buildings	PMT	2-0-0-2	CE4103	8
3.	CE506L	Pavement Analysis and Design	PMT	3-0-0-3	CE5117	3
4.	CE533L	Traffic Engineering and Road Safety	PMT	3-0-0-3	CE5109	8
5.	CE529P	Pavement Engineering Laboratory	PML	0-0-3-2	CE5195	8
6.	CE533P	Traffic Engineering Laboratory	PML	0-0-3-2	CE5197	8
7.	MAE3	Mathematics Elective-3	SMA	2-0-0-2		
8.	CE493N	Industrial Lecture	PIL	1-0-0-1	IL4101	1
	Total Credits				19	

Semester-VIII

S. No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE502L	Pavement Materials and Construction	PMT	3-0-0-3	CE5101	2
2.	CE510L	Traffic Flow Modeling and Simulation	PMT	3-0-0-3	CE5022	6
3.	DPE2	Department Elective-2	PMT	3-0-0-3		
4.	DPE3	Department Elective-3	PMT	3-0-0-3		
5.	FRE3	Free Elective-3	FRE	3-0-0-3		
6.	HS401L	Professional Ethics	HPE	2-0-0-2	HS4202	7
7.	CE502L	Pavement Materials and Construction	PMT	3-0-0-3	CE5101	2
	Total Credits				17	

Semester-IX

S. No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE693G	Seminar	PMT	1	CE6110	4
2.	DPE4	Department Elective-4	PMT	3-0-0-3		
3.	FRE4	Free Elective-4	FRE	3-0-0-3		
4.	CE691G	Project Phase-I	PMP	10	CE6150	4
		Total Credits			17	

Semester-X

S. No.	Course Code	Course Name	Category	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE692G	Project Phase-II	PMT	15	CE6250	4
2.	FRE5	Free Elective-5	FRE	3-0-0-3		
		Total Credits			18	

TOTAL CREDITS: 206