Model Plan: Civil Engineering

SEMESTER- I

Course No.	Course Title	Course Type	L	T	P	C	Remarks
MA 101	Mathematics – I	SC	3	1	0	4	
ME 101	Engineering Mechanics	ESC	3	0	0	3	
PH 101	Engineering Physics	SC	3	1	2	5	
CE 101	Engineering Drawing	ESC	1	0	4	3	
HS 101	English Language Skills	HSC	2	0	2	3	
EE 101	Basic Electrical Engineering	ESC	3	0	2	4	
			15	2	10		
				27		22	

SEMESTER II

Course No.	Course Title	Course Type	L	T	P	C	Remarks
MA 102	Mathematics – II	SC	3	1	0	4	
EC 101	Basic Electronics	ESC	3	0	2	4	
CH 101	Engineering Chemistry	SC	3	1	2	5	
ME 102	Engineering Thermodynamics	ESC	2	0	0	2	
ES 101	Environmental Science	SC	2	0	0	2	
CS 101	Computer Programming	ESC	2	0	2	3	
ME 103	Workshop Practice-I	ESC	0	0	4	2	
			15	2	10		
				27		22	

Sc. Core (SC); Sc. Electives (SE); Engg. Sc. Core (ESC); HSS Core (HSC); HSS Elective (HSE); Discipline Core (DC); Discipline Elective (DE); Open Elective (OE); Project Work (PW)

SEMESTER-III

Course No.	Course Title	Course Type	L	T	P	C	Remarks
MA201	Mathematics III	SC	3	0	0	3	
CE201	Solid Mechanics	DC	3	0	0	3	
CE202	Surveying	DC	3	0	0	3	
CE203	Civil Engineering Materials	DC	2	0	0	2	
CE204	Environmental Engineering - I	DC	3	0	0	3	
CE205	Structural Analysis - I	DC	3	0	0	3	
XXnnn	Science Elective (Physics of materials)	SE	3	0	0	3	
CE211	Surveying Lab	DC	0	0	4	2	
CE212	Civil Engineering Materials- Lab	DC	0	0	2	1	
CE213	Environmental Engineering Lab	DC	0	0	2	1	
			20	0	8		
		Total		28		24	

SEMESTER-IV

Course No.	Course Title	Course Type	L	T	P	C	Remarks
MA203	Maths-V (Scienctific Computing)	SC	3	0	0	3	
CE206	Geotechnical Engineering – I	DC	3	0	0	3	
CE207	Environmental Engineering – II	DC	3	0	0	3	
CE208	Structural Analysis – II	DC	3	0	0	3	
CE209	Fluid Mechanics	DC	3	0	0	3	
XXnnn	Open Elective-I	OE	3	1	0	4	
MA210	Mathematics laboratory	SC	0	0	4	2	
CE214	Geotechnical Engineering Lab- I	DC	0	0	2	1	
CE215	Fluid Mechanic lab	DC	0	0	2	1	
			18	1	8		
		Total		27		23	

Sc. Core (SC); Sc. Electives (SE); Engg. Sc. Core (ESC); HSS Core (HSC); HSS Elective (HSE); Discipline Core (DC); Discipline Elective (DE); Open Elective (OE); Project Work (PW)

SEMESTER-V

Course No.	Course Title	Course Type	L	T	P	C	Remarks
CE301	Reinforced Concrete Design	DC	3	1	0	4	
CE302	Geotechnical Engineering - II	DC	3	0	0	3	
CE303	Transportation Engineering -I	DC	3	0	0	3	
CEnnn	Departmental Elective-I	DE	3	0	0	3	
XXnnn	Open Elective-II	OE	3	1	0	4	
HS 301	Foundation of Management	HSS	3	0	0	3	
CE304	Hydrology and Water Resources Engineering	DC	3	0	0	3	
CE311	Transportation Engineering Lab-I	DC	0	0	2	1	
CE312	Geotechnical Engineering Lab- II	DC	0	0	2	1	
			21	2	4		
		Total		27		25	

SEMESTER-VI

Course No.	Course Title	Course Type	L	T	P	C	Remarks
CE305	Design of Steel Structures	DC	3	1	0	4	
CE306	Estimating Costing and Evaluation	DC	3	0	0	3	
CE307	Transportation Engineering - II	DC	3	0	0	3	
CEnnn	Departmental Elective-II	DE	3	0	0	3	
XXnnn	Open Elective-III	OE	3	0	0	3	
XXnnn	Open Elective-IV	OE	3	0	0	3	
HS302	Accounting and financial methods	HSS	3	0	0	3	
CE313	Transportation Engineering Lab-II	DC	0	0	2	1	
			21	1	2		
		Total		24		23	

Sc. Core (SC);Sc. Electives (SE); Engg. Sc. Core (ESC); HSS Core (HSC); HSS Elective (HSE); Discipline Core (DC); Discipline Elective (DE); Open Elective (OE); Project Work (PW)

SEMESTER-VII

Course No.	Course Title	Course Type	L	T	P	C	Remarks
CE401	Project works-I	PW	0	0	8	4	
CEnnn	Departmental Elective-III	DE	3	0	0	3	
CEnnn	Departmental Elective-IV	DE	3	1	0	4	
HS 401	Professional Ethics	HSC	2	0	0	2	
XXnnn	Open Elective-V	OE	3	0	0	3	
HS402/403	HE (HS nnn) Economic/Psychology	HSC	3	0	0	3	
			14	1	8		
		Total		23		19	

SEMESTER-VIII

Course No.	Course Title	Course Type	L	T	P	C	Remarks
CEnnn	Departmental Elective-V	DE	3	1	0	4	
CEnnn	Departmental Elective-VI	DE	3	0	0	3	
XXnnn	Open Elective-VI	OE	3	0	0	3	
CE402	Project Works-II	PW	0	0	16	8	
			9	1	16		
		Total		26		18	

Sc. Core (SC); Sc. Electives (SE); Engg. Sc. Core (ESC); HSS Core (HSC); HSS Elective (HSE); Discipline Core (DC); Discipline Elective (DE); Open Elective (OE); Project Work (PW)