Overall Framework

S.No	Semester	Paper/Allied	Title of the paper	Lecture Hours		Max. Marks			Credits
				Th	Pr	Int	Ext	Tot	
1	I Year I Semester	Paper-I	Digital Logic Fundamentals	4		25	75	100	4
2		Practical –I	DigitalLab		3	20	30	50	2
3		Practical-II	Web Design tools		3				
4		Non-Major elective	Tests of Analytical Reasoning I (Verbal)	2		40	60	100	2
5		Soft Skill –I	Essentials of Language and Communication skills	2		40	60	100	3
Total(Major)								150	6
6	I Year II Semester	Paper-II	Object Oriented programming in C++	4		25	75	100	4
7		Practical –II	Web Design tools		3	40	60	100	4
8		Practical-III	C++ ProgrammingLab		3	20	30	50	2
9		Non-Major Elective	Tests of Analytical Reasoning II (Non-Verbal)	2		40	60	100	2
10		Soft Skill – II	Essentials of spoken and presentation skills	2		40	60	100	3
Total (Major)								250	10
11	II Year III Semester	Paper-III	Data structures and Algorithms	5		25	75	100	4
12		Practical –IV	Data structures Lab using C++		3	20	30	50	2
13		Practical-V	Scripting Languages		3				
14		VCES	Environmental Studies	1		25	75	100	2
Total (Major)								150	6
15	II Year IV Semester	Paper –IV	Microprocessors & its Applications	4		25	75	100	4
16		Practical –V	Scripting		3	40	60	100	4
17		Practical –VI	Microprocessor lab		3	20	30	50	2
20		Skill Based Elective	Any one from the list	2		40	60	100	3
Total (Major)								250	10

21		Paper-V	.Net Programming	5		25	75	100	4
22		Paper-VI	Operating Systems	6		25	75	100	4
23		Paper-VII	RDBMS Using Oracle	5		25	75	100	4
25	III Year V Semester	Practical – VII	ASP.Net		4	20	30	50	2
26		Practical – VIII	SQL & PL/SQL		4	20	30	50	2
27		Elective – I	Any one from list of electives	6		25	75	100	5
28		YVAE	Value Education(Yoga)			40	60	100	2
T o t a l								**500**	**21**
30		Paper-VIII	PHP Programming	4		25	75	100	4
31		Paper-IX	Programming in Java	4		25	75	100	4
32		Practical – IX	PHP Programming		4	20	30	50	2
33		Practical – X	Java Programming		4	20	30	50	2
34		Elective – II	Any one from list of electives	5		25	75	100	5
35		Project	Mini Project	3	3	20	80	100	5
36		Skill Based Elective	Skill Based Paper	3		40	60	100	3
T o t a l								**500**	**22**
Grand Total								**1800**	**75**

Core Electives

1. Computer Graphics
2. Resource Management Techniques
3. E-Commerce
4. Cloud Computing
5. Security in Information Technology
6. Computer Networks
7. Software Engineering and testing