

Syllabus Template

Sem	Subjects	Subj. Code	Courses	Name of the Subject	Weekly Hrs.			C
					L	P	T	
I	Foundational		Language		4	-	4	3
			English		4	-	4	3
			Value Edu.		2	-	2	1
	Gen. Course	224BC1G01	Part IV(a)	Web designing using HTML and CSS	2	2	4	2
	Core papers	224BC1M01	Major I	Programming Principles Using C	5	-	5	5
		224BC1M02	Major II	Programming Principles Using C Laboratory	-	5	5	3
224BC1A01		Allied I	Mathematics for Computer Science I – Discrete Mathematics	6	-	6	5	
II	Foundational		Language		4	-	4	3
			English		4	-	4	3
			Value Edu.		2	-	2	1
	Gen. Course	224BC1G01	Part IV(a)	Web designing using HTML and CSS	2	2	4	2
	Core papers	224BC2M01	Major III	Data Structures and Algorithms	5	-	5	5
		224BC2M02	Major IV	Object oriented Programming using Java Laboratory	-	5	5	3
224BC2A01		Allied II	Mathematics for Computer Science II – Statistical Methods	6	-	6	5	
III	Foundational		Language		4	-	4	3
			English		4	-	4	3
			Pers. Dev.		2		2	-
	IDE/EVS	224BC3I01	Part IV(b)	Digital Marketing with Analytics	2	2	4	3
	Core papers	224BC3M01	Major V	Data Mining	5	-	5	5
		224BC3M02	Major VI	Database Management Systems Laboratory	-	5	5	3
224BC3A01		Allied III	Statistics for Computer Science I – Data transformation with Spreadsheets and Wrangling with SQL	3	3	6	5	
IV	Foundational		Language		4	-	4	3
			English		4	-	4	3
			Pers. Dev.		2	-	2	3
	IDE/EVS	224BC3I01	Part IV(b)	Digital Marketing with Analytics	2	2	4	3
	Core Papers	224BC4M01	Major VII	Operating Systems	3	2	5	4
		224BC4M02	Major VIII	Programming using Python Laboratory	-	5	5	3
224BC4A01		Allied IV	Statistics for Computer Science II – Data Visualization	3	3	6	5	
	Gen. Elective	224BC5L01	Part IV (b)	Information Security and Digital Forensics	4	-	4	3

V	Skill Based	224BC5M01	Part IV(b)	Employability Skills through Language and digital platform	1	1	2	3
	Core Papers	224BC5M02	Major IX	Software Engineering	4	-	4	4
		224BC5M03	Major X	Machine Learning with Python Laboratory	-	5	5	3
		224BC5M04	Major XI	Front End Development	3	2	5	4
	Core Electives	224BC5M05	Elective 1	A] Computer Organization and Architecture	5	-	5	5
		224BC5M06		B] Dot Net Framework	3	2		
		224BC5M07		C] Android Mobile Application Development	3	2		
		224BC5M08	Elective 2	A] Text Analytics	5	-	5	5
		224BC5M09		B] Data analytics with SPSS	3	2		
		224BC5M10		C] Big Data Analytics	3	2		
VI	Core Papers	224BC6M01	Major XII	Computer Networks	5	-	5	5
		224BC6M02	Major XIII	Cloud Computing – Software development and deployment	3	2	5	5
		224BC6M03	Major XIV	Data Analytics with R Laboratory	-	5	5	3
		224BC6M04	Major XV	Project Work *	-	10	10	5
	Core Elective	224BC6M05	Elective 3	A] Software Testing	5	-	5	5
		224BC6M06		B] IoT and Stream Handling	5	-		
		224BC6M07		C] Block chain Technology	5	-		
Extension Activities – NCC/NSS/ Sports								1
Total Credits								140

L – Lecture / P – Practical / T – Total Hours / C – Credit

* Credits earned through Internship added