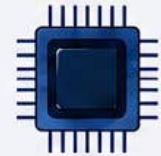
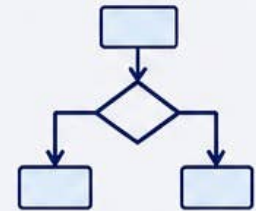




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Syllabus



SEMESTER – V

Computer Science (112) Credits, Workload, Examination, Evaluation and Assessment Scheme

The Vertical	Course Code	Course Title	Credits	Workload	Theory/Practical				Theory/Practical	
					External		Internal		(Total)	
					Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks
Major-T7	112213	Core Java Programming	2	2	30	9	20	6	50	20
Major-T8	112214	Software Engineering	2	2	30	9	20	6	50	20
Major-T9	112215	Advanced Python Programming	2	2	30	9	20	6	50	20
Major-Lab/Practical-15	112216	Laboratory on Core Java Programming and Advanced Python Programming	2	4	25	10	25	10	50	20
Major-Elective T1	112217	Data Mining	2	2	30	9	20	6	50	20
Major-Elective T1	112218	Data Science	2	2	30	9	20	6	50	20
Major-Elective Lab/Practical-17	112219	Laboratory on Data Mining Tools	2	4	25	10	25	10	50	20
Major-Elective Lab/Practical-17	112220	Laboratory on Data Science	2	4	25	10	25	10	50	20
Minor-T5	112265	Computer Networks and Advanced Python Programming	2	2	30	9	20	6	50	20
Minor-P18	112266	Laboratory on Advanced Python Programming	2	4	25	10	25	10	50	20
VSC-P19	112286	Laboratory on PHP Programming	2	4	-	-	50	20	50	20
SEC-P	112287	Laboratory on VB.Net	2	4	-	-	50	20	50	20
FP/CES	112293	Project in Computer Science	2	4	-	-	50	20	50	20
*Special Theory	--	Foundation of Artificial Intelligence	2	2						

* Implementation of the Course of “Foundation of Artificial Intelligence” for the U.G. Programmes Under all the faculties. As per Extra-Ordinary Notification No. 241/2025 of SGBAU, dated 24/12/2025. Students will earn grade from written examination marks conducted by the concerning college.