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Modified G Scheme effective from 2024-25
B. TECH CSE (Artificial Intelligence and Machine Learning)
B. TECH (Artificial Intelligence and Machine Learning)
B. TECH CSE (Artificial Intelligence)
 And
B. TECH (Artificial Intelligence)
 Scheme of Studies/Examination
Modified G Scheme effective from 2024-25

Semester- 3

Category	Course Code	Course Title	Hours per week			Total Contact Hrs. per week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)	
			L	T	P			Internal Assessment	Theory	Practical	Total		
Professional Core Course	PCC-CSE-201G (common with B.Tech (CSE) in semester 3)	Database Management Systems	3	0	0	3	3	25	75		100	3	
Professional Core Course	PCC-CSE-203G (common with B.Tech.(CSE) in semester 3)	Data Structures & Algorithms	3	0	0	3	3	25	75		100	3	
Professional Core Course	PCC-CSE-304G common with B.Tech (CSE) in semester 6)	Artificial Intelligence	3	0	0	3	3	25	75		100	3	
Professional Core Course	PCC-CSE-207G common with B.Tech.(CSE) in semester 3)	Python Programming	3	0	0	3	3	25	75		100	3	
Basic Science Course	BSC-MATH-271-G	Mathematics for AI	3	0	0	3	3	25	75		100	3	
Professional Core Course	PCC-CSE-208G common with B.Tech.(CSE) in semester 4)	Object Oriented Programming	3	0	0	3	3	25	75		100	3	
Professional Core Course	LC-CSE-209G common with B.Tech.(CSE) in semester 3)	Database Management Systems LAB	0	0	2	2	1	25		25	50	3	
Professional Core Course	LC-CSE-326G common with B.Tech.(CSE) in semester 6)	Artificial Intelligence Lab using Python	0	0	2	2	1	25		25	50	3	
Professional Core Course	LC-CSE-213G common with B.Tech.(CSE) in semester 3)	Data Structures & Algorithms LAB Using C	0	0	2	2	1	25		25	50	3	
Professional Core Course	LC-CSE-215G common with B.Tech.(CSE) in semester 3)	Python Programming LAB	0	0	2	2	1	25		25	50	3	
Professional Core Course	LC-CSE-214G common with B.Tech.(CSE) in semester 4)	Object Oriented Programming LAB Using C++	0	0	2	2	1	25		25	50	3	
TOTAL								23	275	450	125	850	

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 Scheme of Studies/Examination
 Semester-4

Category	Course Code	Course Title	Weeks per week			Total Cont. Hrs. per week	Cred H.	Examination Scheme Marks				Total of Hrs. in Hrs.
			L	T	P			Inter nal Asses sment M	Theo ry	Pract ical	Total	
Professional Core Course	PCC-CSE-202G common with B.Tech.(CSE) in semester 4)	Discrete Mathematics	3	0	0	3	1	25	75		100	3
Professional Core Course	PCC-CSE-204G common with B.Tech.(CSE) in semester 4)	Computer Organization & Architecture	3	0	0	3	1	25	75		100	3
Professional Core Course	PCC-CSE-206G common with B.Tech.(CSE) in semester 4)	Operating System	3	0	0	3	3	25	75		100	3
Professional Core Course	PCC-AI/ML-241G	Introduction to Machine Learning	3	0	0	3	3	25	75		100	3
Professional Core Course	PCC-CSE-303G common with B.Tech.(CSE) in semester 5)	Computer Networks	3	0	0	3	3	25	75		100	3
Professional Core Course	PCC-CSE-307G common with B.Tech.(CSE) in semester 5)	Design & Analysis of Algorithms	3	0	0	3	3	25	75		100	3
Professional Core Course	EC-CSE-325G common with B.Tech.(CSE) in semester 5)	Design & Analysis of Algorithms Using C++	0	0	2	2	1	25		25	50	3
Professional Core Course	EC-CSE-212G common with B.Tech.(CSE) in semester 4)	Operating System LAB	0	0	2	2	1	25		25	50	3
Professional Core Course	EC-AI/ML-221G	Introduction to Machine Learning Lab	0	0	2	2	1	25		25	50	3
Professional Core Course	EC-CSE-323G common with B.Tech.(CSE) in semester 5)	Computer Networks Lab	0	0	2	2	1	25		25	50	3
Humanities & Social Sciences Courses	HS-150G	Design Thinking	0	0	2	2	1	25		25	50	
Mandatory Course	AC-UHV-II	Universal Human Values- II: Understanding Harmony	3	0	0	3	3	25	75		100	3
						TOTAL	26	300	525	125	950	

NOTE: At the end of 4th semester each student has to undergo Practical Training of 4/6 weeks in an industry/ Institute/ Professional Organization/ Research Laboratory/ training Centre etc. and submit a typed report along with a certificate from the organization & its evaluation shall be carried out in the 5th Semester.