

Scheme of Studies and Examination
B. TECH. (Artificial Intelligence & Machine Learning) -5th Semester
B. TECH. (Computer Science and Engineering- Artificial Intelligence & Machine Learning)-5th Semester
w.e.f. 2022-23

Sr. No.	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	
1	PCC-CSE-303G (Common with CSE)	Computer Networks	3	0	0	3	3	25	75	-	100	3
2	PCC-CSE-307G (Common with CSE)	Design and Analysis of Algorithms	3	0	0	3	3	25	75	-	100	3
3	PCC-DS-306G	Big Data & Analytics	3	0	0	3	3	25	75	-	100	3
4	PCC-DS-305G	Automata Theory & Compiler Design	3	0	0	3	3	25	75	-	100	3
5	PCC-AI-301G	Neural Networks Fundamentals	3	0	0	3	3	25	75	-	100	3
6	Professional Elective Course	Professional Elective-I	3	0	0	3	3	25	75	-	100	3
7	LC-CSE-325G	Algorithms Design using C++ Lab	0	0	3	3	1.5	25	-	25	50	3
8	LC-DS-346G	Data Analytics Lab	0	0	3	3	1.5	25	-	25	50	3
9	LC-AI-341G	Neural Computing Lab	0	0	3	3	1.5	25	-	25	50	3
10	LC-AI-343G	Programming Lab-I	0	0	2	2	1	25	-	25	50	3
11.	PT-CSE-329G (Common with CSE)	Practical Training -I	Refer Note-1 Below									
Total			18	0	11	29	23.5	250	450	100	800	

Note-1: Practical Training I: The evaluation of Practical Training-I will be based on seminar, viva-voce, report submitted by the students. According to performance, the students will be awarded grades A, B, C, F. A student who is awarded 'F' grade is required to repeat Practical Training.

Grades : Excellent: A, Good : B, Satisfactory: C, Not Satisfactory: F

Professional Electives Courses

Chose any one from the list:

Professional Electives-I		
	Course Code	Course title
Professional Elective -I	PEC-DS-309G	DevOps Overview
	PEC-DS-311G	Advance Java Programming
	PEC-DS-313G	Data Analytics Basics
	PEC-CSE-311G	Software Engineering

Scheme of Studies and Examination
B. TECH. (Artificial Intelligence & Machine Learning) -6th Semester
B. TECH. (Computer Science and Engineering- Artificial Intelligence & Machine Learning)-6th Semester
w.e.f. 2022-23

Sr. No	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	
1	PCC-AI-302G	Statistical Machine Learning	3	0	0	3	3	25	75		100	3
2	PCC-AI-304G	Principles of Artificial Intelligence	3	0	0	3	3	25	75		100	3
3	PCC-DS-303G	Data Mining and Analytics	3	0	0	3	3	25	75		100	3
4	PCC-AI-306G	Data Science with R Programming	3	0	0	3	3	25	75		100	3
5	Professional Elective Course	Professional Elective-II	3	0	0	3	3	25	75	-	100	3
6	Professional Elective Course	Professional Elective-III	3	0	0	3	3	25	75	-	100	3
7	LC-AI-342G	Project-I	0	0	4	4	2	25	-	25	50	3
8	LC-AI-344G	Statistical Machine Learning Lab	0	0	3	3	1.5	25	-	25	50	3
9.	LC-AI-346G	Artificial Intelligence Lab	0	0	3	3	1.5	25	-	25	50	3
10	LC-AI-348G	Programming Lab-II	0	0	2	2	1	25	-	25	50	3
11.	MC-317G*	Constitution of India	2	0	0	2	0	-	-	-	-	-
Total			20		12	32	24	250	450	100	800	

The evaluation of Constitution of India (MC-317G) will be based on grades A, B, C, F. The student who is awarded ‘F’ grade is required to repeat the subject.

NOTE: At the end of 6th semester each student has to undergo Practical Training of 4/6 weeks in an Industry/ Institute/ Professional Organization/ Research Laboratory/ training center etc. and submit typed report along with a certificate from the organization & its evaluation shall be carried out in the 7th Semester.

Professional Electives Courses

Chose any one from the list:

Professional Electives		
	Course Code	Course title
Professional Elective -II	PEC-DS-310G	Advanced Programming Practice
	PEC-DS-312G	Business Intelligence & Analytics
	PEC-AI-308G	Nature Inspired Computing Techniques
Professional Elective – III	PEC-DS-315G	Predictive Analytics Essentials
	PEC-DS-316G	UI/UX Design
	PEC-AI-310G	Intelligent Machining