**B. Tech. (Computer Science and Engineering- Artificial Intelligence & Machine Learning)
Scheme of Studies/Examination w.e.f. 2023-24**

Semester - III

S.No.	Category	Course Code	Course Title	Hours Per week			Total Contact Hrs. per week	Credits	Examination Schedule (Marks)			
				L	T	P			Marks of classwork	Theory	Practical	Total
1.	ESC		Digital Electronics	3	0	0	3	3	30	70		100
2.	PCC		Advanced-Data Structure	3		0	3	3	30	70		100
3.	PCC		Database Management Systems with SQL	3	0	0	3	3	30	70		100
4.	PCC		Programming for Data Science and AI	3	0	0	3	3	30	70		100
5.	PCC		Artificial Intelligence	3	0	0	3	3	30	70		100
6.	BSC		Discrete Mathematics	3	0	0	3	3	30	70		100
7.	LC		Digital Electronics Lab	0	0	2	2	1	50		50	100
8.	LC		Advanced-Data Structure Lab	0	0	2	2	1	50		50	100
9.	LC		Database Management Systems Lab	0	0	2	2	1	50		50	100
10.	LC		Programming for Data Science & AI Lab	0	0	2	2	1	50		50	100
11.	MC		Constitution of India*	2	0	0	2	0	30	70		100*
			Total	**20**	**0**	**8**	**28**	**22**	**380**	**420**	**200**	**1000**

NOTE* : The examination of the regular students will be conducted by the concerned college/Institute internally. Each student will be required to score a minimum of 40% marks to qualify in the paper. The marks will not be included in determining the percentage of marks obtained for the award of a degree. However, these marks will be shown in the detailed marks certificate of the students.

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Semester - IV

S.N.	Category	Course Code	Course Title	Hours Per week			Total Contact Hrs. per week	Credits	Examination Schedule (Marks)			
				L	T	P			Marks of classwork	Theory	Practical	Total
1.	PCC		Operating System	3	0	0	3	3	30	70		100
2.	ESC		R-Programming	3	0	0	3	3	30	70		100
3.	PCC		Programming in Java	3	0	0	3	3	30	70		100
4.	PCC		Design & Analysis of Algorithms	3	0	0	3	3	30	70		100
5.	PCC		Computer Organization & Architecture	3	0	0	3	3	30	70		100
6.	PCC		Computer Networks	3	0	0	3	3	30	70		100
7.	LC		Operating System Lab	0	0	2	2	1	50		50	100
8.	LC		Programming in Java Lab	0	0	2	2	1	50		50	100
9.	LC		Design & Analysis of Algorithms Lab	0	0	2	2	1	50		50	100
10.	LC		R-Programming Lab	0	0	2	2	1	50		50	100
			Total	**18**	**0**	**8**	**26**	**22**	**380**	**420**	**200**	**1000**

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 the typed report along with a certificate from the organization & its evaluation shall be carried out in the 5th Semester.