B. Tech. (Computer Science and Information Technologies)
Scheme of Studies/Examination w.e.f. 2023-24

Semester - V

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.	PCC		Design and Analysis of Algorithm	3	0	0	3	3	30	70		100
2.	PCC		Formal Languages & Automata	3	0	0	3	3	30	70		100
3.	PCC		Web Technology	3	0	0	3	3	30	70		100
4.	PCC		Computer Networks	3	0	0	3	3	30	70		100
5.	PEC		Professional Elective Course - I	3	0	0	3	3	30	70		100
6.	OEC		Open Elective Course - I	3	0	0	3	3	30	70		100
7.			Design and Analysis of Algorithm Lab	0	0	2	2	1	50		50	100
8.	LC		Web Technology Lab	0	0	2	2	1	50		50	100
9.	LC		Computer Networks Lab	0	0	2	2	1	50		50	100
10.	HSMC		Economics for Engineers*	3	0	0	3	3	30	70		100*
11.	PT		Practical Training - I	0	0	2	2	1	50		50	100
			Total	21	0	6	27	22	330	420	150	1000

NOTE:
1. 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.
2. The evaluation of Practical Training - I will be based on the seminar, viva voice, and report submitted by the students.
3. Choose any one from Professional Elective Course – I
4. Choose any one from Open Elective Course – I

Professional Elective Course – I
1. Software Engineering
2. Digital Image Processing
3. Distributed System
4. Statistical computing
5. Big data analytics

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Semester - VI

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		Compiler Design	3	0	0	3	3	30	70		100
2.	PCC		Advance JAVA Programming	3	0	0	3	3	30	70		100
3.	PCC		Cloud Computing	3	0	0	3	3	30	70		100
4.	PEC		Professional Elective Course - II	3	0	0	3	3	30	70		100
5.	PEC		Professional Elective Course - III	3	0	0	3	3	30	70		100
6.	OEC		Open Elective Course - II	3	0	0	3	3	30	70		100
7.	LC		Advance JAVA Programming Lab	0	0	2	2	1	50		50	100
8.	PROJECT		Project - I	0	0	4	4	2	50		50	100
			Total	**18**	**0**	**6**	**24**	**21**	**280**	**420**	**100**	**800**

NOTE:
1. **At the end of the 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 the typed report along with a certificate from the organization & its evaluation shall be carried out in the 7th Semester.**
2. **Choose any one from Professional Elective Course – II & III**
3. **Choose any one from Open Elective Course – II**

Professional Elective Course – II
1. Software Testing
2. Computer Graphics
3. Information Retrieval
4. Internet of Things
5. Soft Computing

Professional Elective Course – III
1. Network Security and Cryptography
2. Internet Technologies
3. Mobile applications development
4. Advance Database Management System
5. Machine Learning