B. Tech. (Computer Science Engineering - (Internet of Things and Cyber security Including Blockchain Technology))
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**		Cryptocurrency With Ethereum	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.	**LC**		Design and Analysis of Algorithm Lab	0	0	2	2	1	50		50	100
8.	**LC**		Computer Networks Lab	0	0	2	2	1	50		50	100
9.	**HSMC**		Economics for Engineers*	3	0	0	3	0	30	70		100*
10.	**PT**		Practical Training - I	0	0	2	2	1	100			100
			Total	**21**	**0**	**4**	**25**	**21**	**380**	**420**	**100**	**900**

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. **Choose any one from Professional Elective Course – I**
3. **Choose any one from Open Elective Course – I**

Professional Elective Course – I

1. Software Engineering
2. Digital Image Processing
3. Distributed System
4. Web Technology
5. Big data analytics

Open Elective Course – I

1. Sensors, Actuators and Signal Processing
2. R – Programming
3. Communication Skills for Professionals
4. Soft Skills and Interpersonal Communication
5. Human Resource Management

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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. Cybersecurity
3. Information Retrieval
4. Wearable computing, mixed reality and Internet of everything
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

Open Elective Course – II

1. Open-Source Systems
2. Wireless Communication
3. Industrial Safety
4. Natural Language Processing
5. Disaster Management