B.Tech (Computer Science and Information Technology)
common with B.Tech (Information Technology)
Scheme of Studies/Examination w.e.f 2021-22
Semester 7

Sr. No.	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	
1	Professional Core Course	PCC-IT-401G	Neural Networks	3	0	0	3	3	25	75		100	3
2	Professional Elective Course	Refer to Annexure IV	Elective–IV	3	0	0	3	3	25	75		100	3
3	Professional Elective Course	Refer to Annexure V	Elective–V	3	0	0	3	3	25	75		100	3
4	Open Elective Course	Refer to Annexure OEC-I	Open Elective–I	3	0	0	3	3	25	75		100	3
5	Professional Core Course	LC-IT-419 G	Neural Networks Lab	0	0	2	2	1	25	-	25	50	3
6	Project	PROJ-IT-422G	Project-II	0	0	6	6	3	50	-	50	100	3
7	Professional Core Course	PT-IT-423G	Practical Training-II	0	0	0	1		Refer Note 1				
		TOTAL CREDIT						16	175	300	75	550	

NOTE:

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

2. Choose one subject from each Elective –IV, Elective –V and open Elective – I. List of elective subjects is attached as annexures.

Annexure IV

1. PEC-IT-404G: High Speed Networks

2. PEC-IT-405G: Advanced Computer Architecture

3. PEC-IT-406G: Soft Computing

4. PEC-IT-407G: Software Project Management

Annexure V

1. PEC-IT-408G: Cloud Computing

2. PEC-IT-409G: Analytical Instrumentation

3. PEC-IT-410G: Cyber Security Threats

Annexure OEC-I

1. OEC-IT-411G: Robotics

2. OEC-IT-414G: Disaster Management

3. HSMC-418G: Human Resource Management

4.OEC-IT-415G:Game Theory in Engineering Application

B.Tech (Computer Science and Information Technology)
common with B.Tech (Information Technology)
Scheme of Studies/Examination w.e.f 2021-22
Semester 8

Sr. No.	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	
1	Professional Core Course	PCC-IT-402G	R Programming	3	0	0	3	3	25	75		100	3
2	Professional Core Course	PCC-IT-403G	Big Data Analysis	3	0	0	3	3	25	75		100	3
3	Open Elective Course	Refer to Annexure OEC-II	Open Elective-II	3	0	0	3	3	25	75		100	3
4	Professional Core Course	LC-IT-420G	R Programming Lab	3	0	0	3	3	25	75		100	3
5	Professional Core Course	LC-IT-4212G	Big Data Analysis Lab	0	0	2	2	1	25		25	50	3
6	Project	PROJ-IT-424G	Project-III	0	0	8	4	4	50		50	100	3
		TOTAL CREDIT						17	175	300	75	550	

NOTE:
Choose one subject from open Elective – II. List of elective subjects is attached as annexures.

Annexure OEC-II

1. PEC-CS-412G: Cyber Law & Ethics

2. OEC-ECE-413G: Wireless Communication & Adhoc Network

3. OEC-CS-416G: Renewable Energy System

4. OEC-CS- 417G: Knowledge Management

5. OEC-CS-418G: Managing Innovation & Entrepreneurship