

**Scheme of Studies and Examination**  
**B.TECH (Computer Science & Information Technology) – 5<sup>th</sup> Semester**  
**w.e.f. 2020-21**

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	External Examination	Practical	Total	
1	Engineering Science Course	ESC-IT-301G	Signals and systems	3	0	0	3	3	25	75		100	3
2	Professional Core Course	PCC-CSE-303G	Computer Networks	3	0	0	3	3	25	75		100	3
3	Professional Core Course	PCC-IT-303G	Web Technology	3	0	0	3	3	25	75		100	3
4	Professional Core Course	PCC-CSE-307G	Design & Analysis of Algorithms	3	0	0	3	3	25	75		100	3
5	Professional Core Course	PCC-CSE-309G	Programming in Java	3	0	0	3	3	25	75		100	3
6	Professional Elective Course	Refer Annexure-I	Elective-I Common with CSE	3	0	0	3	3	25	75		100	3
7	Professional Core Course	LC-IT-317G	Web Technology Lab	0	0	2	2	1	25	-	25	50	3
8	Professional Core Course	LC-CSE-323G	Computer Networks Lab	0	0	3	3	1.5	25		25	50	3
9	Professional Core Course	LC-IT-319G	Design & Analysis of Algorithms Lab.	0	0	3	3	1.5	25		25	50	3
10	Professional Core Course	LC-CSE327G	Programming in Java Lab	0	0	3	3	1.5	25		25	50	3
11	Training	PT-CSIT329G	Practical Training – 1	-	-	-	-	-	-	-	* Refer Note 1		
<b>TOTAL</b>								<b>23.5</b>				<b>800</b>	

**Note:**

- The evaluation of Practical Training-I 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.

**Excellent: A; Good : B; Satisfactory: C; Not Satisfactory: F.**

**Scheme of Studies and Examination**  
**B.TECH (Computer Science & Information Technology) – 6<sup>th</sup> Semester**  
**w.e.f. 2020-21**

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	External Examination	Practical	Total	
1	Professional Core Course	PCC-CSE-304G	Artificial Intelligence	3	0	0	3	3	25	75		100	3
2	Engineering Science Course	ESC-CSE-308G	Mobile and Wireless Communication	3	0	0	3	3	25	75		100	3
3	Professional Core Course	PCC-IT-304G	Cloud Computing	3	0	0	3	3	25	75		100	3
4	Professional Core Course	PCC-CSE-306G	Advanced Java Common with CSE	3	0	0	3	3	25	75		100	3
5	Professional Elective Course	Refer Annexure-I	Elective-II Common with CSE	3	0	0	3	3	25	75		100	3
6	Open Elective Course	Refer Annexure-II	Elective –III Common with IT	3	0	0	3	3	25	75		100	3
7	Project	PROJ-CSE-322G	Project-I	0	0	4	4	2	25		25	50	3
8	Professional Core Course	LC-CSE-326G	Artificial Intelligence Lab using python	0	0	3	3	1.5	25		25	50	3
9	Professional Core Course	LC-CSE-328G	Advanced Java Lab	0	0	3	2	1	25		25	50	3
10	Mandatory Courses	MC-317G	Constitution of India	2	0	0							
<b>TOTAL CREDIT</b>								<b>22.5</b>	<b>225</b>	<b>450</b>	<b>75</b>	<b>750</b>	

**Note:**

Each student has to undergo practical training of 6 weeks during summer vacation after 6<sup>th</sup> semester and its evaluation shall be carried out in 7<sup>th</sup> Semester.

## **Annexure I**

### **Elective –I (Professional Elective Course)**

1. PEC-CSE-311G:Software Engineering
2. PEC-CSE-313G : System Programming and System Administration
3. PEC-CSE-315G :Digital Image Processing

## **Annexure II**

### **Elective –II (Professional Elective Course)**

1. PEC-CSE-310G:Advanced Database Management System
2. PEC-CSE-312G :Mobile Application Development
3. PEC-CSE-314G:Computer Graphics

## **Annexure III**

### **Elective –III (Professional Elective Course)**

1. PEC-IT-302G: Information Retrieval
2. PEC-IT-304G : Soft Computing
3. PEC-IT-306G : Internet of things