

THIRD YEAR COMPUTER SCIENCE AND ENGINEERING - CBCS PATTERN

SEMESTER - VI

Sr. No.	Course Subject / Title	TEACHING SCHEME						EXAMINATION SCHEME									
		THEORY			TUTORIAL		PRACTICAL		THEORY				ORAL / PRACTICAL		TERMWORK		
		Credits	No. Of Lectures	No. of Hours	Credits	No. of Hours	Credits	No. of Hours	mode	marks	Total Marks	MIN.	MAX	MIN.	MAX	MIN.	
1	PCC-CS601 Compiler Construction	3	3	3			1	2	CIE	30	100	40			25	10	
									ESE	70							
2	PCC- CS602 Operating System-II	4	4	4			1	2	CIE	30	100	40			25	10	
									ESE	70							
3	PCC- CS603 Database Engineering	4	4	4			1	2	CIE	30	100	40	50	20	25	10	
									ESE	70							
4	PCC- CS604 Machine Learning	3	3	3	1	1			CIE	30	100	40			25	10	
									ESE	70							
5	OEC- CS605 E-Commerce & Digital Marketing OEC - CS606 ii) Cyber Security	3	3	3					CIE	30	100	40					
									ESE	70							
6	PCC- CS607 C# Programming	2	2	2			1	2					50	20	25	10	
7	PW- CS608 Domain Specific Mini Project						1	2						50	20	25	10
<b>Total (SEM -VI)</b>		<b>19</b>	<b>19</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>10</b>			<b>500</b>			<b>150</b>		<b>150</b>	
<b>Total (SEM - V+ SEM - VI)</b>		<b>38</b>	<b>38</b>	<b>38</b>	<b>3</b>	<b>4</b>	<b>9</b>	<b>18</b>			<b>1000</b>			<b>250</b>		<b>350</b>	

CIE- Continuous Internal Evaluation

ESE - End Semester Examination

T.Y. B. Tech (Computer Science and Engineering)  
MINI PROJECT

• Candidate contact hours per week : 30 Hours (Minimum)	• Total Marks for T.Y. Sem V & VI : 800 + 800 =1600
• Theory and Practical Lectures : 60 Minutes Each	• Total Credits for T.Y. Sem V & VI : 50 (SEM-V: 25 + SEM -VI: 25)
• In theory examination there will be a passing based on separate head of passing for examination of CIE and ESE.	
• There shall be separate passing for theory and practical (term work) courses.	

**Note:**

1. **PCC-CS:** Professional Core Course – Computer Science and Engineering are compulsory.
2. **HM-CS:** Humanities and Management- Computer Science and Engineering are compulsory.
3. **PW-CS: Domain Specific Mini Project — Computer Science and Engineering are compulsory.**
4. **#OEC-CS: Open Elective Course** – To be offered to Inter departmental students.
  - # - 60% of the students from other branches to be chosen on merit.
  - 40% of the students may be from same branch based on merit.
  - Number of students to be allowed should be 72(Max.) for the branch with intake of 60 students.
  - The above ratio should be followed in proportionate to the sanctioned intake.

**OPEN ELECTIVE COURSE-I**

Sr. No.	Name of the Subject	Name of the concern Branch
1	i) Computer Graphics & Multimedia ii) Internet of Things	Computer Science and Engineering

**OPEN ELECTIVE COURSE-II**

Sr. No.	Name of the Subject	Name of the concern Branch
1	i) E-Commerce & Digital Marketing ii) Cyber Security	Computer Science and Engineering

## T. Y. B. Tech (Computer Science and Engineering) Sem – VI

### 7. Domain Specific Mini-project (PW - CS608)

TEACHING SCHEME	EXAMINATION SCHEME
Theory : ----	Theory : ----
Tutorial : ----	Term work : 25 marks
Practical : 2 Hrs./Week	Practical : 50 marks

#### Pre-requisites:

1. Software Engineering Concepts
2. Object Oriented Concepts

#### Course Objectives

1. To expose the students to use engineering approach to solve domain specific real time problem.
2. To use the appropriate and newer technologies while developing the project.
3. To learn the skills of team building and team work.

#### Course Outcomes

Upon successful completion of this course, the student will be able to –

1. Identify specific problem statement from a selected domain.
2. Analyze the problem and prepare SRS and design document.
3. Write code and carry out testing.
4. Write a report covering details of the project and give presentation on a project.

#### Contents

The students should form group of 4 to 5 students and every group is supposed to choose a specific domain (preferably from Smart India Hackathon problem statement) to do the mini project. Further the group should identify the relevant problem in the selected domain and propose the solution, which can be implemented as a mini-project using suitable technology. The mini-project work should be evaluated by a team of teachers appointed by the department. The evaluation and marking should include Continuous Internal Evaluation (CIE) and Semester End Examination (SEE) during which the group should give presentation and demonstration of their work done. Care should be taken to avoid out-sourcing of the work.

