



**CHENNAI INSTITUTE OF TECHNOLOGY**  
(Autonomous)  
Sarathy Nagar, Pudupedu, Chennai- 600 069.  
Internal Assessment – I

Date	24.02.25	Max. Marks	50 Marks
Subject Code/Name	CS4201-WEB DEVELOPMENT FRAMEWORKS AND PRACTICES	Time	1hr 30mins
Branch	Common to CSE,IT	Year/Semester	I/II

Co. No	Course Objectives
1	To understand the difference between web based and server-side programming.
2	To create awareness on web technology.
3	To create full stack application using java script-based frameworks.
4	To develop Python based innovative full stack applications.
5	To develop java applications using Spring boot and Hibernate.

At the end of course the students can able to

Co. No	Course Outcomes	RBT Level
1	Develop business logic for back end using Node.js.	L1,L2
2	Create full stack application using Express.js.	L1, L3
3	Develop Python based full stack applications.	L1, L3
4	Develop strong querying and analytics using MongoDB.	L1, L3
5	Develop robust java applications using Spring boot and hibernate.	L2,L3

Q. No	Part-A (2 X 5 = 10 Marks) (Answer all the questions)	CO	RBT	Marks
1	List the two key features of Node.js	CO1	L2	2
2	What is client side programming?	CO1	L2	2
3	List some of the commands used in npm.	CO1	L1	2
4	How will you create a web application?	CO1	L2	2
5	Explain the purpose of the business logic layer in three-tier architecture?	CO1	L1	2
Q. No	Part- B (16 X 2 = 32 Marks), (8 X 1 = 8 Marks) (Answer all the questions)	CO	RBT	Marks
11 A	Describe the three-tier architecture model, including the presentation, business logic, and data tiers?	CO1	L2	16
(OR)				
11 B	Explain about the various front end, back end and framework technologies with examples.	CO1	L2	16
12 A	Explain the event-driven, non-blocking architecture of Node.js and outline its advantages.	CO1	L2	16
(OR)				

12 B	Explain in detail about the server side architecture with an example.	CO1	L2	16
13A	Difference between client side and server side programming.	CO1	L2	8