

C.V. RAMAN POLYTECHNIC, BBSR



LESSON PLAN

Session (2026-2027)

Discipline: Diploma Branch: CSE	Semester: 5th	Name of the Faculty: Ipsita Ankita Hota
Subject: CSEPC 303 Th-2 Web Technologies	No. of Days/week: 45 days/3 class per week	Semester From Date: 01/07/2026 To Date : 05/11/2026 No. of Weeks: 15

Week	Class Day	Theory Topics
1st	1 st	Introduction to the World Wide Web (WWW)
	2 nd	Web Protocols (HTTP, HTTPS, FTP)
	3 rd	Web Programs and Applications
2nd	1 st	Secure Connections (SSL/TLS)
	2 nd	Web Application Development Tools
	3 rd	Web Browsers and Their Features
3rd	1 st	Web Servers and Their Functions
	2 nd	Setting Up UNIX Web Servers
	3 rd	Setting Up LINUX Web Servers
4th	1 st	User Logging and Authentication
	2 nd	Dynamic IP Addressing
	3 rd	Website Design Principles
5th	1 st	Website Planning
	2 nd	Website Navigation Design
	3 rd	Web Systems Architecture

6 th	1 st	Client-Server (2-Tier) Architecture
	2 nd	3-Tier Architecture
	3 rd	Caches
7 th	1 st	Proxies
	2 nd	Indexes
	3 rd	Load Balancers
8 th	1 st	Queues
	2 nd	Web Application Architecture (WAA)
	3 rd	Introduction to JavaScript
9 th	1 st	JavaScript Syntax and Basic Programs
	2 nd	JavaScript Variables and Data Types
	3 rd	JavaScript Operators
10 th	1 st	JavaScript Functions
	2 nd	Conditional Statements
	3 rd	Loops and Repetition
11 th	1 st	JavaScript Objects
	2 nd	Built-in JavaScript Objects
	3 rd	Document Object Model (DOM)
12 th	1 st	Browser Object Model (BOM)
	2 nd	Forms and Form Validation
	3 rd	Dynamic HTML (DHTML)

13 th	1 st	Events and Event Handling
	2 nd	Buttons and Browser Control
	3 rd	Introduction to AJAX Advantages and Disadvantages of AJAX
14 th	1 st	AJAX-Based Web Applications , Alternatives to AJAX
	2 nd	Introduction to XML ,XML Components, DTD, Schemas, XSL, XSLT, and Web Services, Introduction to PHP
	3 rd	PHP Arrays, Functions, and Forms
15 th	1 st	PHP with Databases (Connection, CRUD Operations, PHP My Admin, and Database Bugs)
	2 nd	Introduction to Modern Frameworks: React, Angular, Node.js
	3 rd	Bootstrap, Tailwind CSS

Ipsita Ankita Hota

SIGNATURE OF FACULTY

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