



SYNERGY SCHOOL OF ENGINEERING, DHENKANAL

LESSON PLAN SESSION: (2026-2027)

Discipline: Computer Science & Engineering	Semester: 5th,Winter-2026	Name of the Faculty: Aurobinda Gochhayat Email-ID: aurobindagochhayta@gmail.com
Subject: Web Technologies,TH-2, CSEPC 303	No of Days/Week: 03	Start Date: 01/07/2026 End Date: 05/11/2026

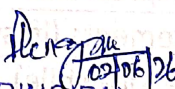
Week	Class Day	Theory Topics
1ST	1ST	Introduction to WWW and Internet
	2ND	Web Protocols (HTTP, HTTPS, FTP)
	3RD	Web Browsers and Web Servers
2ND	1ST	Secure Connections and SSL/TLS
	2ND	Dynamic IP and Static IP
	3RD	Website Planning and Navigation Design
3rd	1ST	Website Design Principles
	2ND	Introduction to Web Development Tools
	3RD	Case Study of Popular Websites
4th	1ST	Client-Server Architecture (2-Tier)
	2ND	3-Tier Architecture
	3RD	Web Application Architecture (WAA)
5th	1ST	Caches and Proxies
	2ND	Indexes and Load Balancers
	3RD	Queues and Scalable Systems
6th	1ST	Introduction to JavaScript
	2ND	JavaScript Syntax and Variables
	3RD	Operators and Expressions
7th	1ST	Conditional Statements (if, switch)
	2ND	Loops (for, while, do-while)
	3RD	Functions in JavaScript

2/6/26

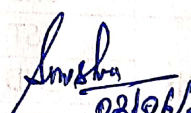


8th	1ST	JavaScript Objects
	2ND	User-defined Objects
	3RD	DOM Introduction
9th	1ST	DOM Manipulation
	2ND	Forms and Form Validation
	3RD	Browser Events and Event Handling
10th	1ST	DHTML Concepts
	2ND	Combining HTML, CSS and JavaScript
	3RD	Browser Control using JavaScript
11th	1ST	AJAX Introduction
	2ND	AJAX Applications
	3RD	Advantages and Limitations of AJAX
12th	1ST	XML Basics
	2ND	DTD and XML Schemas
	3RD	XSL and XSLT
13th	1ST	Introduction to Web Services
	2ND	PHP Introduction
	3RD	Variables, Arrays and Functions in PHP
14th	1ST	PHP Forms and Validation
	2ND	PHP Database Connectivity
	3RD	CRUD Operations using PHP & My SQL
15th	1ST	Introduction to React and Angular
	2ND	Node.js, Bootstrap, Tailwind CSS
	3RD	Revision, Quiz and Model Test

Prepared By:


PRINCIPAL
Synergy School of Engineering
Dhenkanal

Verified By:


HOD
Comp. Science & Engg. Dept
SSE, Dhenkanal