

KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN Session (2025-2026)

Discipline: Computer Science & Engineering	Semester: 5 th , Winter/2025	Name of the Faculty: Abhaya Kumar Panda Email ID: abhayafcs@kp.kiit.ac.in
Subject: Internet and Web Technology (Th-2)	No. of Days/week: 04	Start Date: 14/07/2025

Week	Class Day	Theory Topics
1st	1st	Internet Basics: Computer network
	2nd	Concept of Internet, Intranet
	3rd	Modem
	4th	IP Address
2nd	1st	Internet Domains, CIDR Notation
	2nd	ISP, TCP/IP
	3rd	Internet Connectivity & WWW: Introduction to connectivity Medium and methods of connectivity, ISDN, VSAT, RF Link
	4th	Working of Internet, Introduction to WWW
3rd	1st	Application-Level Protocol
	2nd	Web Browser, URL, Hypertext, Hyperlinks, Hypermedia
	3dr	Search Engine
	4th	Proxy server, CG
4th	1st	URI, Dreamweaver
	2nd	Question Answer Discussion
	3dr	Quiz Test
	4th	Internet Security: Introduction to security, Types of security
5th	1st	Authentication & Authorization
	2nd	Firewalls

	3rd	Encryption & Decryption, SSL(Cont..)
	4th	Encryption & Decryption, SSL
6th	1st	Question Answer Discussion
	2nd	Internet Application: E-Mail, Email protocols
	3rd	Telnet, FTP, Newsgroup
	4th	Chartroom, Internet Relay Chat, Video Conferencing
7th	1st	E-Commerce
	2nd	Question Answer Discussion
	3rd	Website Classifications: Static Websites, Dynamic websites
	4th	Web portals, Social Networking Sites
8th	1st	RSS Feed, Blog, Netiquette
	2nd	Development of Portals Using HTML: Design a webpage, Good Web Design, HTML Introduction
	3rd	HTML Tags
	4th	Anchor Tag, Table Tag
9th	1st	HTML Frames
	2nd	HTML Forms, Disadvantages of HTML
	3rd	Separating style from structure with style sheets
	4th	CSS Rules
10th	1st	Types of CSS
	2nd	Client-side Scripting with JavaScript: Introduction to script, Client-side Scripting, Types of Scripting, Variables in JavaScript, Built-in Function
	3rd	Arrays in JavaScript, Conditional statements
	4th	Loops in JavaScript, Document Object Model
11th	1st	Creating Functions, objects in JavaScript
	2nd	Event handling in JavaScript, Embedding JavaScript with HTML
	3rd	Working with Cookies, connecting database using JavaScript in HTML Page, Working with Browser, validating and submitting Forms
	4th	Server-Side Scripting: Introduction to server-side Scripting, Components of SSS
12th	1st	Difference between CSS and SSS, Server-side Scripting method
	2nd	JavaScript on server
	3rd	SQL
	4th	Question Answer Discussion
13th	1st	Quiz Test

	2nd	Server-Side Programming using PHP: Introduction to PHP, Variables
	3rd	string
	4th	operator types
14th	1st	Conditional statement
	2nd	Loops
	3rd	Array
	4th	GET and POST Method and Sessions
15th	1st	GET and POST Method and Sessions(Cont..)
	2nd	Question Answer Discussion
	3rd	Question Answer Discussion
	4th	Question Answer Discussion