

# BHAI GURDAS INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

## LESSON PLAN

Subject Name: - Web Technologies

Subject Code: - BTIT602-18

Year: - 2023

Semester: - 6<sup>th</sup>

Lecture No.	Unit	Date/Week	Topic	Teaching Aids	Reference
1.	I	6 days	Introduction of web technology	Projector, chalk, green board, duster	Text book , notes
2.			History and evolution of Internet protocols, Internet addressing		
3.			Internet service provider (ISP), WWW,DNs		
4.			URL,HTTPS,SSI, web browser, Cookies, Web servers, Proxy server		
5.			Introduction to web application, wbsite design application, planning the site and navigation		
6.	II	1 week	Introduction to HTML and DHTM		
7.			History of HTML, Structure of HTML Document		
8.			Text Basics, Structure of HTML Document		
9.			Images, Multimedia, Links,		
10.			Audio, Video, Table and Forms		
11.			Document Layout, HTML vs. DHTML,		
12.			Overview and features of HTML5		
13.			Need for CSS, Introduction to CSS,		
14.			Basic syntax and structure, Types of CSS – Inline		

15.	III	1 week	Internal and External CSS style sheets		
16.			CSS Properties - Background images		
17.			Colors and properties, Text Formatting, Margin, Padding, Positioning etc		
18.					
19.			Overview and features of CSS3		
20.	IV	1 week	Introduction to JavaScript's		
21.			History and versions JavaScript's		
22.			Basic syntax, Variables,		
23.			Data types, Statements		
24.			Operators, Functions		
25.			Arrays, Objects, dialog boxes		
26.			JavaScript DOM.		
27.	V	1 week	Introduction and basic syntax of PHP		
28.			Data types, Variables, Decision		
29.			looping with examples,		
30.			String, Functions, Array, Form processing		
31.			Cookies and Session		
32.			E-mail, PHP		
33.			MySQL: Connection to server		
34.	VI	8 Days	Introduction of AJAX, AJAX Components		
35.			Handling Dynamic HTML with Ajax, Advantages & disadvantages of Ajax		
36.			HTTP request, XML Http		

			Request Server Response		
<b>37.</b>			JSON– Syntax, Schema, Data types		
<b>38.</b>			Objects, Reading and writing JSON on client and serve		
<b>39.</b>			Using JSON in AJAX applications		