

## Lesson Plan

Name of Faculty : Sandeep Mudgil  
 Discipline : Computer Engg.  
 Semester : 5th  
 Subject : Web Technologies

Work Load (Lecturer per week) and (Practical per Week) = 3 Lecture and 4 Practicals

Week	Theory		Practical	
	Lecture Day	Topic (including assignment/test )	Practical Day	Topic
1 <sup>st</sup>	1	Introduction to HTML 5 and CSS 3. Basic structure of HTML, Designing a web page	1	Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure
	2	Inserting links images, horizontal rules, comments. Formatting text, title, headings, colors, fonts, sizes, simple tables and forms.	2	
	3	HTML tags, hyperlinks. Adding graphics and images		
2 <sup>nd</sup>	4	image maps, image files. Using tables, forms, style sheets and frames. Floating of web site/pages	3	Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure
	5	Introduction to PHP: How PHP Works , The php.ini File	4	
	6	Basic PHP Syntax, PHP variables, statements, operators		
3 <sup>rd</sup>	7	decision making, loops,	5	Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate.
	8	arrays	6	
	9	Forms, Form Controls		
4 <sup>th</sup>	10	get and post methods,	7	Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate.
	11	strings, functions	8	
	12	Introduction to cookies, storage of cookies at client side, Using information of cookies.		
5 <sup>th</sup>	13	Creating single or multiple server side sessions.	9	Design SQL language within MySQL and PHP to access and manipulate databases
	14	Timeout in sessions, Event management in PHP.	10	
	15	Introduction to content management systems based on PHP.		
6 <sup>th</sup>	16	Assignment/ Revision	11	Design SQL language within MySQL and PHP to access and manipulate databases
	17	Revision	12	
	18	Sessional		
7 <sup>th</sup>	19	Introduction to MySQL, connecting to MySQL	13	Install and configure both PHP and MySQL.

	20	database, creation, insertion,	14	
	21	Deletion and retrieval of MySQL data using PHP.		
8 <sup>th</sup>	22	Installing Wamp Server -Installing Joomla on Web Server, Joomla global configuration –Article manager - Archive manager-FrontPage manager - Section manager - Category manager	15	Create PHP code that utilizes the commonly used API library functions built in to PHP.
	23	Media Manager-Menu manager - Component manager-Content Manager- Extensions manager - Module manager	16	
	24	Plugin manager-Template manager- How to install a new module-How to install a new template		
9 <sup>th</sup>	25	How to install a new plugin-How to install a new component	17	Create PHP code that utilizes the commonly used API library functions built in to PHP.
	26	Understanding the concept of Joomla positions.	18	
	27	Changing the layout structure by changing the module position		
10 <sup>th</sup>	28	Assignment/ Revision	19	Design and create a complete web site that demonstrates good PHP/MySQL client/server design.
	29	Revision	20	
	30	Sessional		
11 <sup>th</sup>	31	Understanding Basic Joomla Template	21	Design and create a complete web site that demonstrates good PHP/MySQL client/server design.
	32	Customizing Joomla template	22	
	33	Building Custom Joomla Template		
12 <sup>th</sup>	34	Understanding Templatedetails.xml	23	To store a cookie using PHP on client side.
	35	File-Creating Templatedetails.xml	24	
	36	File using tmpl_builder		
13 <sup>th</sup>	37	Linking CSS	25	To store a cookie using PHP on client side.
	38	Linking JavaScript	26	
	39	Understanding Include-Displaying Content in Xhtml		
14 <sup>th</sup>	40	Understanding Include-Displaying Content in Xhtml	27	To save the user session on server side.
	41	Creating Template installation Package	28	
	42	Creating Custom Forms		
15 <sup>th</sup>	43	Creating Custom Forms	29	Design website using Joomla.
	44	Changing the Form Appearance using CSS	30	
	45	Changing the Form Appearance using CSS.		
16 <sup>th</sup>	46	Assignment/ Revision	31	Design website using Joomla.
	47	Revision	32	
	45	Sessional		