

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 st | 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 nd | 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 rd | 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 th | 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 th | 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 th | 16 | Assignment/ Revision | 11 | Design SQL language within MySQL and PHP to access and manipulate databases |
| | 17 | Revision | 12 | |
| | 18 | Sessional | | |
| 7 th | 19 | Introduction to MySQL, connecting to MySQL | 13 | Install and configure both PHP and MySQL. |

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|------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------|
| | 20 | database, creation, insertion, | 14 | |
| | 21 | Deletion and retrieval of MySQL data using PHP. | | |
| 8 th | 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 th | 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 th | 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 th | 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 th | 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 th | 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 th | 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 th | 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 th | 46 | Assignment/ Revision | 31 | Design website using Joomla. |
| | 47 | Revision | 32 | |
| | 45 | Sessional | | |