**NAME OF THE FACULTY** : REENA RANI

**DISCIPLINE** : Computer Engineering

**SEMESTER** : 5 th

**SUBJECT** : Web Development using PHP

**LESSON PLAN DURATION** : - 15 weeks (from Sep - 2022 to jan- 2023)

WORK LOAD (LECTURE/PRACTICAL) PER WEEK (IN HOURS):- LECTURE-**04**, PRACTIACL-**06** PER GROUP

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| **WEE K** | **THEORY** | | **PRACTICAL** | | |
| **Lecture**  **/ Hrs** | **TOPIC**  **(Including Assignment/Test)** | **Practical**  **/ Hrs** | | **Experiment** |
| 1st | 1 | **Introduction** to Developing Portals using HTML | Group-1 & Group-2 | 1 | Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure. |
| 2 |
| 2 | Introduction to HTML 5 | 3 |
| Group-1 & Group-2 | 1 | Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure. |
| 3 | Introduction to CSS3 | 2 |
| 4 | Basic structure of HTML | 3 |
| 2nd | 5 | Basic structure of HTML | Group-1 & Group-2 | 1 | Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate. |
| 2 |
| 6 | Designing a web page | 3 |
| Group-1 & Group-2 | 1 | Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate. |
| 7 | Inserting links, images, horizontal rules,  comments | 2 |
| 8 | Inserting links, images, horizontal rules,  comments | 3 |
| 3rd | 9 | Formatting text, title, headings, colors, fonts, sizes, simple tables and forms | Group-1 & Group-2 | 1 | Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate. |
| 2 |
| 10 | Formatting text, title, headings, colors, fonts, sizes, simple tables and forms | 3 |
| Group-1 & Group-2 | 1 | Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate. |
| 11 | HTML tags, hyperlinks | 2 |
| 12 | Adding graphics and images | 3 |
| 4th | 13 | Image maps, image files | Group-1 & Group-2 | 1 | Design SQL language within  MySQL and PHP to access and manipulate databases. |
| 2 |
| 14 | Using tables, forms | 3 |
| Group-1 & Group-2 | 1 | Design SQL language within MySQL and PHP to access and manipulate databases. |
| 15 | Using style sheets and frames | 2 |
| 16 | Floating of web site/pages | 3 |
| 5th | 17 | **Assignment-1** | Group-1 & Group-2 | 1 | Design SQL language within MySQL and PHP to access and manipulate databases. |
| 2 |
| 18 | **Sessional Test-1** | 3 |
| Group-1 & Group-2 | 1 | Design SQL language within MySQL and PHP to access and manipulate databases. |
| 19 | Introduction to PHP | 2 |
| 20 | Introduction to PHP: How PHP Works | 3 |

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| 6th | 21 | The php.ini File | Group-1 & Group-2 | 1 | Install and configure both PHP and MySQL. |
| 2 |
| 22 | The php.ini File | 3 |
| Group-1 & Group-2 | 1 | Install and configure both PHP and MySQL. |
| 23 | Basic PHP Syntax | 2 |
| 24 | Basic PHP Syntax | 3 |
| 7th | 25 | PHP variables functions | Group-1 & Group-2 | 1 | Install and configure both PHP and MySQL. |
| 2 |
| 26 | PHP statements functions | 3 |
| Group-1 & Group-2 | 1 | Install and configure both PHP and MySQL. |
| 27 | PHP operators functions | 2 |
| 28 | PHP decision making functions | 3 |
| 8th | 29 | PHP loops functions | Group-1 & Group-2 | 1 | Create PHP code that utilizes the commonly used API library functions built in to PHP. |
| 2 |
| 30 | PHP arrays functions | 3 |
| Group-1 & Group-2 | 1 | Create PHP code that utilizes the commonly used API library functions built in to PHP. |
| 31 | PHP strings functions | 2 |
| 32 | PHP forms functions | 3 |
| 9th | 33 | PHP get and post methods | Group-1 & Group-2 | 1 | Design and create a complete web site that demonstrates  good PHP/MySQL client/server design |
| 2 |
| 34 | PHP get and post methods | 3 |
| Group-1 & Group-2 | 1 | Design and create a complete web site that demonstrates good PHP/MySQL client/server design |
| 35 | Introduction to cookies, storage of cookies at client side | 2 |
| 36 | Using information of cookies. | 3 |
| 10th | 37 | Creating single or multiple server side sessions | Group-1 & Group-2 | 1 | To store a cookie using PHP on client side. |
| 2 |
| 38 | **Assignment-2** | 3 |
| Group-1 & Group-2 | 1 | To store a cookie using PHP on client side. |
| 39 | **Sessional Test-2** | 2 |
| 40 | Timeout in sessions | 3 |
| 11th | 41 | Event management in PHP | Group-1 & Group-2 | 1 | To store a cookie using PHP on client side. |
| 2 |
| 42 | Event management in PHP | 3 |
| Group-1 & Group-2 | 1 | To store a cookie using PHP on client side. |
| 43 | Introduction to content management systems based on PHP. | 2 |
| 44 | Introduction to content management systems based on PHP. | 3 |

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| 12th | 45 | PHP and MySQL | Group-1 & Group-2 | 1 | To save the user session on server side. |
| 2 |
| 46 | Introduction to MySQL | 3 |
| Group-1 & Group-2 | 1 | To save the user session on server side. |
| 47 | Introduction to MySQL | 2 |
| 48 | connecting to MySQL | 3 |
| 13th | 49 | connecting to MySQL | Group-1 & Group-2 | 1 | To save the user session on server side. |
| 2 |
| 50 | Introduction to database | 3 |
| Group-1 & Group-2 | 1 | To save the user session on server side. |
| 51 | Database creation | 2 |
| 52 | Database insertion | 3 |
| 14th | 53 | Deletion of MySQL data using PHP | Group-1 & Group-2 | 1 | Design website using word press or Joomla |
| 2 |
| 54 | Retrieval of MySQL data using PHP | 3 |
| Group-1 & Group-2 | 1 | Design website using word press or Joomla |
| 55 | Deletion and retrieval of MySQL data  using PHP | 2 |
| 56 | Recap PHP and MySQL | 3 |
| 15th | 57 | Recap PHP and MySQL | Group-1 & Group-2 | 1 | Practicing and Recap |
| 2 |
| 58 | **Assignment- 3** | 3 |
| Group-1 & Group-2 | 1 | Practicing and Recap |
| 59 | **Sessional Test- 3** | 2 |
| 60 | Revision | 3 |