**Class: S.Y. Computer Engineering Semester –IV**

**Course Code: Name of Course: WPL**

**Year: 2021-2022 (Second Term)**

| **Course Outcome** | **After completion of this course students should be able to** |
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| **CO1** | Design dynamic web pages using various HTML tags. |
| **CO2** | Use CSS to prepare the layout of web pages. |
| **CO3** | Apply JavaScript for validation in client side programming. |
| **CO4** | Integrate server side pages using php. |
| **CO5** | Apply database operations by integrating SQL queries and session variables. |

**List of Experiments**

| **Sr. No.** | **Title** | **CO** |
| --- | --- | --- |
|  | **Design the static web pages with the help of HTML5**. | CO1 |
|  | **Develop and demonstrate the usage of inline, internal and external style sheets using CSS**. | CO2 |
|  | **Demonstrate the use of Bootstrap** | CO2 |
|  | **Develop and demonstrate JavaScript with POP-UP boxes and functions for the following problems** | CO3 |
|  | **Perform Virtual Lab on JavaScript (http://vlabs.iitb.ac.in/vlabs-dev/labs/javascript/index.php)** | CO3 |
|  | **Develop and Demonstrate the use of From Handling and Validation in PHP:** | CO4 |
|  | **Demonstrate the use of Cookies and Session in PHP**. **Also perform in Virtual Lab** (<http://vlabs.iitb.ac.in/vlabs-dev/labs/phplab/labs/explist.php>) | CO4 |
|  | **Demonstrate the file Uploading in PHP** | CO4 |
|  | **Design and Demonstrate database Connectivity between PHP & MYSQL** | CO5 |
|  | **Deployment of Web application** |  |

**Mini Project:**

| **Mini Project on Web Programming Lab. (25M)** |
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| * Mini project is between 2 students only. * Selected topic specifies the details of implementation. * Mini project includes the demonstration of the usage of:   HTML/HTML5,CSS/CSS3, Bootstrap 3/4, JavaScript, JavaScript validation, PHP, PHP forms, PHP Validation, PHP Session, Database Connectivity, Deployment of Project.   * Usage of Version control system. (Github). |

**Course Teachers:**

| UDAY joshi | A1 |
| --- | --- |
| Smita Sankhe | A2 |
| Rohini Nair | A3 |
| Swapnil Pawar/ Ankit D Khivasara | A4 |
| Deepa V Jain | B1 |
| Nirmala Baloorkar | B2 |
| Kavita Kelkar | B3 |
| Sonia R. Joshi | B4 |
| Kavita Kelkar/ Sonia R Joshi | C1 |
| Deepa V Jain | C2 |
| Bharathi H N/ Samruddhi Yadav | C3 |