

**COURSE TITLE : WEB PROGRAMMING LAB**  
**COURSE CODE : 5139**  
**COURSE CATEGORY : A**  
**PERIODS/WEEK : 4**  
**PERIODS/SEMESTER : 52**  
**CREDITS : 2**

**TIME SCHEDULE**

| MODULE | TOPICS                                       | PERIODS   |
|--------|----------------------------------------------|-----------|
| 1      | Internet Fundamentals and HTML, CSS          | 13        |
| 2      | JAVASCRIPT                                   | 13        |
| 3      | Server Side Scripting – PHP                  | 13        |
| 4      | Database Handling, Content Management System | 13        |
|        | <b>TOTAL</b>                                 | <b>52</b> |

**General Outcomes :**

- To understand Internet, tools used in Internet etc
- To understand web page design tools like HTML, CSS
- To know client side scripting language
- To know Server side scripting and database connectivity
- To Understand Web site development using Content Management System

**Specific Outcomes:**

**Cycle 1**

- 1.1. Practice Internet applications
- 1.2. Explore Web browsers , search engines
- 1.3. Familiarise with web portals, e-commerce sites, blogs etc
- 1.4. Develop simple HTML pages using Basic HTML Markup, HTML lists, Links and images, Data Table, frames
- 1.5. Develop web pages with user interface using CSS

**Cycle 2**

- 2.1. Develop web pages with Forms and its controls
- 2.2. Implement functions with JavaScript
- 2.3. Implement Event Handling using JavaScript
- 2.4. Implement form validation using JavaScript

### **Cycle 3**

- 3.1 Familiarise LAMP environment
- 3.2 Design and develop simple php applications
- 3.3 Illustrate Form Data Retrieval using PHP
- 3.4 Implement session & cookie management using PHP
- 3.5 Demonstrate how to send a mail, generate PDF in a PHP page

### **Cycle 4**

- 4.1 Illustrate database and table creation using web based database administration tools
- 4.2 Develop web pages for data handling using PHP (Insert, Delete and Update)
- 4.3 Develop reports (pdf & html data table) using data from database in PHP
- 4.4 Familiarize content Management System Joomla
- 4.5 Design and develop CMS supported web application using Joomla