



# SYLLABUS

<b>Course Title</b>	<b>Web Designing &amp; Development</b>
<b>Course Code</b>	<b>MIT102</b>
<b>Course Credit</b>	Theory(Hrs) : 4
	Practical(Hrs) : 2
	Tutorial(Hrs) : 0
	Credits : 5

## Course Objective

The objectives of the course are:

- To introduce the student about web programming skills so that, they can utilize this skills in the field of computer science.
- The objective of this course is to provide the student with the fundamental knowledge and skills to become a proficient web programmer.
- Industry standards will be presented and used for program design.
- The student will program in a structured style whereby reinforcing the concepts of Web quality, reliability and maintainability

## Detailed Syllabus

<b>Sr. No.</b>	<b>Name of chapter &amp; details</b>	<b>Hours Allotted</b>
<b>Section – I</b>		
<b>1</b>	<b>Introduction to HTML</b> Basic of HTML, formatting style, formatting and fonts, commenting code, color, HTML Tags (hyperlink, lists, tables, images, simple HTML forms, form container, file control, frame, frameset, etc.), DHTML, XHTML	<b>12</b>

<b>2</b>	<b>Style sheets</b> Need for CSS, introduction to CSS, basic syntax and structure, using CSS, background images, colors and properties, manipulating texts, using fonts, borders and boxes, margins	<b>08</b>
<b>3</b>	<b>Javascript</b> Client side scripting, What is Javascript, How to develop Javascript, simple Javascript, variables, functions, conditions, loops and Repetition, HTML forms validation, Javascripts Events, Objects	<b>08</b>

### Section - II

<b>4</b>	<b>PHP</b> Introduction to PHP, how PHP works, Basic PHP syntax: PHP tags, PHP statements and whitespace comments, Conditional and Looping Structure, Functions, Arrays, PHP and HTML Forms, HTML Forms, how HTML Forms work, processing form input	<b>10</b>
<b>5</b>	<b>Database</b> Basic command with PHP examples, Connection to server, creating database, selecting a database, listing database, listing table names creating a table, inserting data, altering tables, queries, deleting database, deleting data and tables, PHPmyadmin	<b>10</b>
<b>6</b>	<b>State Management</b> Session Control and Cookies, Sessions, Configuring Sessions, Session Functions, Cookies, Authentication with Session Control.	<b>08</b>

#### **Instructional Method and Pedagogy:**

- Lectures will be conducted with the aid of multi-media projector, blackboard, OHP etc. Assignments based on course contents will be given to the students at the end of each unit/topic and will be evaluated at regular interval
- Minimum five experiments shall be there in the laboratory related to course contents
- Minimum six tutorials which includes solution of minimum five computer programs in each head

### Course Learning Outcomes:

On the completion of the course, students will be able to:

- **Know** the basic skills needed in development of web application
- **Write**, compile, debug and run a web pages using Apache server
- **Apply** style-sheet, which provides a unique look and feel of website
- **Apply** javascript concepts which provides a validation technique to process client input
- **Develop** dynamic website using PHP and mySQL

### Text book:

- Developing Web Application, Ralph Moseley, Wiley India

### Reference Books:

- Internet and World Wide Web How to program, P.J. Deitel & H.M. Deitel. Pearson Publication
- Beginning PHP5, Apache, Mysql Web Development – Wrox

### Additional Resources

- [www.w3schools.com](http://www.w3schools.com)
- N.P.T.L. Video Lecture Series, N.I.T.T.I.,
- Instructional Resources Videos, [www.php.net](http://www.php.net)