Information Booklet cum Syllabus

Of

Web Designing

Revision-I

May 2022

National Institute of Electronics and Information Technology

An Autonomous Scientific Society under
Ministry of Electronics and Information Technology, Government of India

1.   **About Course**

This PHP Training is an ideal course to learn business applications development, websites development, Server Side programming for dynamic websites using PHP and MySQL database. It allows users to design and deploy their own websites.

2.   **NIELIT**

National Institute of Electronics and Information Technology, NIELIT, (Erstwhile DOEACC Society) is an autonomous scientific society of the Ministry of Electronics & Information Technology, Government of India. The Society is registered under the Societies Registration Act, 1860. NIELIT was set up to carry out Human Resource Development and related activities in the area of Information, Electronics & Communications Technology (IECT). NIELIT is engaged both in Formal & Non-Formal Education in the areas of IECT besides development of industry oriented quality education and training programmers in the state-of-the-art areas. NIELIT has endeavored to establish standards to be the country's premier institution for Examination and Certification in the field of IECT. It is also one of the National Examination Body, which accredits institutes/organizations for conducting courses in IT and Electronics in the non-formal sector.

3.   **Objective of Course**

This course introduces the learner to the fundamentals of web server, HTML, CSS, JavaScript, PHP scripting and Database concept. It used to develop Static websites or Dynamic websites.

4.   **Job Roles of Course**

After successful completion of the qualification the candidates shall be employed in the industries for following occupations:

- Software Designer
- Web Programmer

5.   **Eligibility**

Any 10+2 student

6.   **Total duration of the Course**

80 Hours (Theory: 40 Hrs. Practical/Tutorial: 40 Hrs.)

7. Course Details

7.1. Course Outline and Objective of Each Unit

S. No.	Unit Name	Duration (Theory) in Hours	Duration (Practical) in Hours	Total Learning Hrs.	Learning Objectives
1	Web Designing	80	40	40	After completion of this unit of module, Learner will be able to • Introduction and configuration to web server • HTM, CSS & JavaScript • Database connection in Web Application • Dynamic Web Site development • Develop web applications using PHP & MySQL

7.2. Detailed Syllabus

Unit Name	Contents	Hrs.
Web Design Basics	• Web Design Principles • Basic principles involved in developing a web site • Planning process • Five Golden rules of web designing • Designing navigation bar • Page design • Home Page Layout • Design Concept	04
HTML	• Introduction to HTML • What is HTML • HTML Documents • Basic structure of an HTML document • Elements of HTML • Creating an HTML document • Mark up Tags • Heading-Paragraphs	20

	• Working with Text • Working with Lists, Tables and Frames • Working with Hyperlinks, Images and Multimedia • Working with Forms and controls.	
CSS	• Introduction to Cascading Style Sheets • Concept of CSS • Creating Style Sheet • CSS Properties • CSS Styling(Background, Text Format, Controlling Fonts) • Working with block elements and objects • Working with Lists and Tables • CSS Id and Class • Box Model	20
JavaScript	• Introduction to JavaScript • Inline JavaScript programs • Internal JavaScript programs • External link JavaScript programs • DOM • JS Functions • Loop • JS Validations • JS Popup Boxes	16
PhP with MySql	• Introduction to PHP • Installation of XAMPP • PHP Variables, PHP Statements, PHP Operators • PHP - Conditional Statements • PHP Loops • PHP Arrays • PHP Custom Functions • PHP File functions • PHP Sessions, PHP Cookies • Understanding an RDBMS • Introduction of MySQL • Understanding SQL and SQL Queries • Interacting PHP with MySQL • Interacting PHP with text file on server	20

8.   **Reference Books/Study Material**

http://eportal.nielitvte.edu.in

9.   **Practical Assignments**

Will be given during classes