

## 2022/ITES/NIELIT/05523 : Certified Web Developer

<b>Course :</b>	Certified Web Developer
<b>Code :</b>	2022/ITES/NIELIT/05523
<b>Starting Date :</b>	25/09/2023
<b>Last Date To Apply :</b>	15/09/2023
<b>Contact Person :</b>	Mr. Bhargav Deshmukh, Mob No. 9049565944

### Course Preamble

Web development refers to the creating, building, and maintaining of websites. It includes aspects such as web design, web publishing, web programming, and database management. It is the creation of an application that works over the internet i.e. websites. The word Web Development is made up of two words, that is:

- **Web:** It refers to websites, web pages or anything that works over the internet.
- **Development:** It refers to building the application from scratch.

### Course Objective

This Course in Certified Web Developer provides a broad working knowledge in website development . It will provide a basic and advance understanding of HTML, CSS, JavaScript, PHP, Database etc.

The main Objective of this course are:

- ∅ Designing a responsive website.

### Course Outcomes

After completion of the course student will be able to pursue Microsoft Certified Solutions Developer (MCSA), Responsive Web Design Course, Server-Side Script Programming Which Combines Programming Languages with Database like MySQL.

- Learn Basic of HTML and CSS
- Design Simple Static Webpages
- Learn JavaScript and PHP
- Design Dynamic Webpages
- Database Connectivity
- Able to Make Any kind of Website

## Course Structure

Sr. No.	Module Name	Duration		
		Theory	Practical	Total
1.	Introduction to the Internet to web Design	5	5	10
2.	HTML5	10	10	20
3.	CSS	10	10	20
4.	Bootstrap	10	10	20
5.	JavaScript	10	10	20
6.	Linux Introduction	5	5	10
7.	Server Side programming Language PHP	20	30	50
8.	Database connectivity with PHP and MySQL (Linux/Window)	15	15	30
9.	Project on website Development	10	20	30
	<b>Total</b>	<b>95</b>	<b>115</b>	<b>210</b>

## Course Contents

### Introduction to the Internet to web Design

Introduction to Internet, World Wide Web , Intranet & Extranet, Website, Web pages, URL, Web Browser & Web server.

### HTML5

Introduction to Web Development (Front end , back-end), HTML headings and comments, HTML paragraphs and line breaks , HTML Font Tag and Font Style, Hyperlinks, IMG tag and SRC attribute , HTML List Tags, HTML Table 1, HTML Table 2, HTML Forms, HTML Form, Remaining HTML Tags.

### CSS

Introduction to CSS, CSS syntax , Types Of CSS, CSS classes and ID, CSS Division and Span, CSS margin and padding, CSS text properties , Font Properties , CSS links, CSS background , CSS border, Lists, width and height property.

### Bootstrap

Introduction to bootstrap ,Containers, Grid Layout , Navbar classes ,Bootstrap Buttons class, Card Layout, Carousel classes, Images classes, Tables classes, Forms.

### **JavaScript**

Introduction To JavaScript, Variable and datatype in JS, Operators, Functions In JS, Expression In JS, Looping , JavaScript Array, Validating user input with JS.

### **Linux Introduction**

Introduction to Linux and Linux Utilities, Introduction to Shells, Filters, Unix File Structure, File management.

### **Server side programming language PHP**

Introduction to PHP, Variable &Data types, Operators , Conditional Statements, Loops, Functions, Array, GET & POST method, PHP Forms.

### **Database connectivity with PHP and MySQL (Linux/Window)**

Introduction to DBMS, SQL Statements, SQL commands, SQL Joins, SQL functions, SQL Clauses, Connectivity with database.

### **Project on website Development**

Students should have to work on project of website development.

### **Course Fees**

- NIL for SC/ST
- 10,000 for Others

### **Eligibility**

12<sup>th</sup> Pass

### **Important Dates**

Last Date Of Registration : 15/09/2023

Course Starting Date : 25/09/2023

**Note : Admission will be on first come basis.**