

# National Institute of Professional Studies and Research

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## Web Designing & Development Course Syllabus

For any query  
Call/SMS/Whatsapp  
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- ★ Introduction to Web Technologies
- ★ Static & Dynamic Website Concept
- ★ HTML & Advance HTML
- ★ CSS
- ★ Javascript
- ★ Adobe Photoshop
- ★ Adobe Dreamweaver
- ★ Quick Banner Design
- ★ Quick Menu Design
- ★ Seo Concept
- ★ Development through PHP/.Net
- ★ Database Concept MySQL/SQLServer
- ★ Web Hosting & cPanel
- ★ One Live Project

### Introduction to Web Technologies

- Introduction to Web Technologies
- Careers in Web Technologies and Job Roles
- How the Website Works?
- Web Standards and W3C recommendations

### Static and Dynamic Website Concept

- Static and Dynamic Website Concept
- Types of Websites (Static and Dynamic Websites)
- Client and Server Scripting Languages
- Difference between a Web Designer and Web Developer

### HTML & Advance HTML ( Hyper Text Markup Language )

- What is Markup Language
- Basic Structure of HTML
- Head Section and Elements of Head Section

- Meta Tags
- External Link Tags
- **HTML Structure Tags**

- Table Tag
- Div Tag
- Frames

- **Content / Media Tags**

- Header Tags
- Paragraph, Span, Pre Tags
- Anchor Links and Named Anchors
- Image Tags / Image Hot Spots
- Object Tag
- Iframe Tags

- **Working with Forms**

- Form Tag
- POST and GET Method
- Text Input, Text Area, Checkbox, Image Input and Radio
- Select Option, Option Group
- File Upload and Hidden Fields
- Submit Button, Reset Button
- Relation between HTML Form
- Creating a Live Website Form

- **Designing a Layout using HTML5**
- **Work With the help of Dreamweaver**

## Cascading Style Sheets (2.0)

- Introduction to Cascading Style Sheets
- Types of Style Sheets (Inline, Internal and External)
- CSS for Website Layout and Print Layout
- **Work With the help of Dreamweaver**

## Java Script

- Introduction to Client Side Scripting
- Introduction to Java Script
- Javascript Types
- Variables in JS
- Operators in JS
- Conditions Statements (If, If Else, Switch)
- Java Script Loops (For Loop, While Loop, Do While Loop)

- JS Popup Boxes (Alert, Prompt, Confirm)
- **JS Events & Work**

Onload, Onunload, Onsubmit, OnFocus, Onchange Event, Onblur Event, Onmouseover, Onclick, Ondblclick Events

- **Work With the help of Dreamweaver**

## Adobe Photoshop

- Introduction of Stock Photography
- Types of Image Graphics
- Vector Graphics and Tools
- Scalar Graphics and Tools
- Introduction to Adobe Photoshop
- Interface Tour of Photoshop and Palletes
- Color Modes and Resolution Options
- File Types in Photoshop
- Using Photoshop Tools with Realtime Examples

- Move Tool
- Marque Tools
- Lasso Tools
- Quick Selection / Magic Wand
- Crop / Slicing Tool
- Image Manipulation Tools
- Brushes
- Patterns
- Gradients
- Pen Tool / Shape Tool
- Text Tool

- Working with Layers, Grouping and Smart Objects
- Image Adjustments
- Layer Masking, Layer Clipping
- Using Blending Options to create unique effects
- Analysis Menu
- Design Banners for Website
- Real time Website Layout Design

## Adobe Dreamweaver

- Introduction to Adobe Dreamweaver
- Dreamweaver Interface Basics
- Type of Views
- **Defining a Dreamweaver site**

- Benefits of Using Site
- Creating a Site for Static Project
- Creating a Site for PHP Project

- **Standard Tool Bar**

- Setting the Dreamweaver for Multiple Browser Output
- Device Central and Mobile Sites

- **Common Tool Bar**

- Anchor Links / Email Links / Named Anchors
- Insert Table
- Insert Divs
- Inserting Images / Image Hot Spots
- Inserting Flash / Video
- Meta Tags
- Script Tags

- **Layout Tool Bar**

- Inserting Divs
- Inserting Tables
- Working with Frames
- Working with IFrames

- **Text Tags**

- Headings Tag
- Content Tags
- Formating Tags

- **Forms in Dreamweaver**

- Form Tag
- Fieldset and Label Tag
- Input Tags (Hidden, Text, Checkbox, Radio, Image)
- Select Tag / List Tag / Opt Group
- Buttons (Submit and Reset)
- File Type / Encoding Type
- Sending Mail using PHP

- **Dreamweaver Advanced Concepts**

- Configuring FTP
- Working with FTP

- Template Design in Dreamweaver
- Importing a website design

- Common Compatibility Issues

## **Quick Banner Design**

- Introduction to Animation
- Introduction to Banner & Flash
- Introduction to Banner Design Concept
- Creating Banners

## **Quick Menu Design**

- Introduction to Menu
- Menu Design Concept
- Quick Menu Designing tools
- Implementing Quick menu with web pages

## **SEO Concepts**

- Basics of SEO
- Importance of SEO
- On page Optimization Basics

## **Development through PHP/.Net**

- Development Either PHP or asp.Net Interface
- Their Introduction
- Tools and Code Introduction
- Web server Setup
- Codes for Developing website
- Contact Us form using code
- Many more other ... which need for website.

## **Database Concept MySQL/SQLServer**

- Database Either MySQL or SQL Server
- Their Introduction
- Tools and Code Introduction
- Web server Setup
- Codes for website
- Contact Us table using database interface
- Many more other ... which need for website.

# Web Hosting

- Web Hosting Basics
- Types of Hosting Packages
- Registering domains
- Using Control Panel
- Creating Emails in Cpanel
- Using FTP Client
- Maintaining a Website

## Live Project\*

To prepare a live project you must need to complete above section properly.

We support you doing live project on local server.

We provide you web server it is subject to availability because web server need to purchase.

**All the Best**

**Happy Learning!!**