ASIAN COLLEGE OF INFORMATION TECHNOLOGY (ACIT)

An Autonomous organization for I.T, HRD & Literacy Works
AFFILIATED BY GOVERNMENT OF INDIA
An ISO 1900:2015 Certified Organization

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SYLLABUS FOR WEB DESIGN COURSSE

A. Introduction to Web Technologies

- ❖ Introduction to Web Technologies

- ❖ Careers in Web Technologies and Job Roles

- ❖ How the Website Works?

- ❖ Client and Server Scripting Languages

- ❖ Domains and Hosting

- ❖ Responsive Web Designing

- ❖ Types of Websites (Static and Dynamic Websites)

- ❖ Web Standards and W3C recommendations

B. Adobe Photoshop

- ❖ Introduction of Stock Photography

- ❖ Types of Image Graphics

- ❖ Introduction to Adobe Photoshop

- ❖ Interface Tour of Photoshop

- ❖ Color Modes

- ❖ Resolution and Presets

- ❖ Move Tool
- ❖ Marque Tool
- ❖ Lasso Tool
- ❖ Quick Selection, Magic Wand
- ❖ Crop, Slicing Tool
- ❖ Healing Brush, Patch Tool
- ❖ Brush Tool
- ❖ History Brush
- ❖ Eraser Tool
- ❖ Pattern Stamp, Clone Stamp
- ❖ Gradient Tool
- ❖ Blur and Exposure Tool
- ❖ Pen Tool, Shape Tool
- ❖ Text Tool
- ❖ Other Photoshop Tools
- ❖ Layers, Groups and Smart Object
- ❖ Blending Options
- ❖ Filter Effects
- ❖ Client requirement analysis
- ❖ Realtime Website Layout Design
- ❖ Practical Task in Layout Design

C. HTML 4.01 and XHTML 1.1

- ❖ What is Markup Language

- Basic Structure of HTML
- Difference Between HTML and XHTML
- Head Section and Elements of Head Section
- Meta Tags
- CSS Tags
- Script Tag
- Table Tag
- DIV Tag
- Header Tags
- Paragraph, Span, Pre Tags
- Anchor Links and Named Anchors
- Image Tag
- Object Tag
- Iframe Tag
- Forms
- Form Tag
- Attributes of Form
- POST and GET Method
- Fieldset and Legend
- Text input, Text area
- Checkbox and Radio Button
- Dropdown, List and Optgroup
- File Upload and Hidden Fields
- Submit, Image, Normal, Reset Button
- Creating a Live Website Form
- HTML Validators

D. HTML 5

- ❖ Introduction to HTML5
- ❖ Features of HTML5
- ❖ HTML5 DocType
- ❖ New Structure Tags
- ❖ Section
- ❖ Nav
- ❖ Article
- ❖ Aside
- ❖ Header
- ❖ Footer
- ❖ Designing a HTML Structure of Page
- ❖ New Media Tags
- ❖ Audio Tag
- ❖ Video Tag
- ❖ Canvas and Svg Tag
- ❖ Introduction to HTML5 Forms
- ❖ New Attributes
- ❖ Placeholder Attribute
- ❖ Require Attribute
- ❖ Pattern Attribute
- ❖ Autofocus Attribute
- ❖ email , tel, url types
- ❖ number type
- ❖ date type
- ❖ range type

- ❖ voice search
- ❖ Examples of Form

E. CSS 2.1

- ❖ Introduction to Cascading Style Sheets
- ❖ Types of CSS
- ❖ CSS Selectors
- ❖ Universal Selector
- ❖ ID Selector
- ❖ Tag Selector
- ❖ Class Selector
- ❖ Sub Selector
- ❖ Child Combinatory Selector
- ❖ Adjacent Sibling Selector
- ❖ Attribute Selector
- ❖ Group selector
- ❖ First-line and First-letter selector
- ❖ Before and After Selector
- ❖ CSS Properties
- ❖ Type Properties
- ❖ Background Properties
- ❖ Block Properties
- ❖ Box Properties
- ❖ List Properties
- ❖ Border Properties
- ❖ Positioning Propeties
- ❖ Realtime Implementation

- ❖ Converstion of Table to CSS Layout
- ❖ CSS Menu Design (Horizontal, Vertical)
- ❖ Form Designing

F. CSS 3

- ❖ Introduction to CSS 3
- ❖ New CSS 3 Selectors
- ❖ Attribute Selectors
- ❖ First-of-type
- ❖ Last-of-type
- ❖ Nth-child
- ❖ Element:empty
- ❖ New CSS3 Properties
- ❖ Custom Fonts
- ❖ Text-Shadow Property
- ❖ Text-Stroke Property
- ❖ Rounded Corners
- ❖ Box Shadows
- ❖ CSS Gradients
- ❖ CSS Multiple backgrounds
- ❖ Opacity Property
- ❖ Transition effect
- ❖ Transform effect
- ❖ Animation effects
- ❖ CSS Media Queries
- ❖ Using CSS3 in Practical Layout

G. Responsive Web Design with Bootstrap

- ❖ Introduction to Responsive Design
- ❖ Mobile first design concepts
- ❖ Common device dimensions
- ❖ View-port tag
- ❖ Using css media queries
- ❖ Menu conversion script
- ❖ Basic Custom Layout
- ❖ Introduction to Bootstrap
- ❖ Installation of Bootstrap
- ❖ Grid System
- ❖ Forms
- ❖ Buttons
- ❖ Icons Integration
- ❖ Using CSS3 in Practical Layout

H. Java Script

- ❖ Introduction to Client Side Scripting
- ❖ Introduction to Java Script
- ❖ Javascript Types
- ❖ Variables in JS
- ❖ Operators in JS
- ❖ Conditions Statements
- ❖ Java Script Loops
- ❖ JS Popup Boxes
- ❖ JS Events

J. SEO Concepts

❖ Basics of SEO

❖ Importance of SEO

❖ Onpage Optimization Basics

❖ Image Optimization

K. Live Website Design Project (100% Realtime Project)

❖ Designing a Professional Photoshop Template

❖ Conversion of PSD to HTML

❖ Adding Menu System to Project

❖ Slideshow Integration

❖ Implementing Gallery Script

❖ Adding the Contact Form

❖ Form validations using JS

❖ Writing the Mail Function in form with PHP

❖ Manual Website Testing

L. Final Exam with Project Submission

M. Special Interview Class

N. Basic Spoken English Guide