

Masters in Full Stack Development

Introduction to Web Design

- Wireframe, Rough diagram
- 4 phases of web design project
- What is User experience design?
- Anatomy of website design.
- Web design using Anatomy
- Redesign after review or redesign the existing landing page

Introduction to HTML

- What is HTML?
- Basic of HTML
- File & Folder structure
- Tool to use HTML
- Hello world web page
- Basic structure of HTML document
- Attribute, Elements and Tags
- Heading and Paragraph
- Anchor, Image, Table, Lists and Forms
- ID, Classes, Span & Div
- Iframe, Comments, File Path and Layout

Introduction to CSS

- Essentials of CSS
- Basics of CSS
- Inline, Internal and External CSS
- ID & Class selector, Grouping Selector & Descendent Selector
- Color, Text Styling & Formatting
- Border, Background, Styling links
- Styling Web Form
- Block, Inline and Inline block element
- Understanding Float & Clear
- Relative, Absolute & Fixed Position
- CSS Practice

Introduction to jQuery

- What is jQuery? Adv & DisAdv, Features
- Download & Install
- Syntax of jQuery
- jQuery Selectors
- Effects - Chaining
- Effects - Hiding, Showing & Fading
- Effects - Slide, Animate & Delay
- Events - Mouse, Keyboard, Form & window/document.
- jQuery and CSS
- jQuery and HTML

Introduction to jQuery UI

- What is jQuery UI & Features
- jQuery UI Draggable, Froppable & Resizable
- jQuery UI Selectable & Sortable, Accordion & Datepicker

BootStrap

- Responsive Design
- Bootstrap example
- Bootstrap grid system
- Responsive tables, button & images
- Helper classes & responsive utility
- Font icon, navbar, modal windows
- ScrollSpy, Toggable Tabs, Sliding Carousel

<p><u>Advance CSS & CSS3</u></p>	<p><u>Ajax</u></p>
<ul style="list-style-type: none"> • What is CSS3 ? • CSS3 Box sizing & Round corner • CSS3 colors & gradient • CSS3 Shadows & Columns • CSS3 Animations & Transitions 	<ul style="list-style-type: none"> • What is Ajax?, How it works? • Ajax example • XMLHttpRequest • Get and POST • Ajax and JS/jQuery
<p><u>Introduction to Javascript</u></p>	<p><u>Web Hosting</u></p>
<ul style="list-style-type: none"> • What is JS? Adv & DisAdv, Features • Internal & External JS • Syntax of JS • JS Variables-local & global, data types, operators • Strings, Date, Math, Number, Arrays and Constructors • Condition statements If, If-else, If-else if • Switch case and loops like for loop while loop & do-while loop • DOM • Events Methods • Form validations, Email validation & Exception Handling 	<ul style="list-style-type: none"> • What is web hosting? • Purchasing & Bundled Doamin Name • Hosting Control Panel • What is FTP & How to use it ?
<p><u>Unit Testing</u></p>	<p><u>SQL</u></p>
<ul style="list-style-type: none"> • What is unit testing? • Test case • TC executions • Preparing unit test document 	<ul style="list-style-type: none"> • What is SQL ? • Syntax, Datatype, operators • Database - create, drop, select and rename • What is table ? DDL statements • DML statements • TCL statements • Constraints • SQL Keys • SQL Joins • Trigger, SP, Indexes, Functions

Project