

Advanced Web Design and Development Curriculum

Section – A (HTML-5)

Day-1

- Introduction To HTML5
- HTML5 File Structure
- Basic HTML Tags and attributes
- HTML Headings, Paragraph and DIV tag
- Text Formatting and special characters

Day-2

- Adding comment
- Adding external assets
- Image tag and properties
- Background properties

Day-3

- List and types of Lists
- Web page external & internal linking
- Table design
- Table properties

Day-4

- HTML5 Form Design
- Form Elements
- Input Types & Attributes

Day-5

- Semantic elements
- Layout techniques
- Adding movie and music
- Loading external web page



Section – B (CSS3)

Day-6

- Introduction to Cascading Style Sheets
- Types of CSS
- Universal, ID, Tag, Class, Attribute Selector
- Relational selector
- Pseudo-classes

Day-7

- Text Properties
- Box Properties
- Border Properties

Day-8

- List Properties
- Display Properties
- Positioning Properties

Day-9

- Background Properties
- CSS Animation
- Multicolumn Layouts

Day-10

- Responsive Web Design
- Media Queries
- Flex Box
- Grid Layout

Section – C (JavaScript)

Day-11

- Introduction to Javascript
- Variables
- Reserved Words
- Data types & Operators
- Print statement
- Conditional Statements

Day-12

- Loops
- Popup Boxes
- Function & Parameters
- Events
- Local storage, Session storage and Cookies

Day-13

- HTML Document Object Model
- Accessing HTML elements
- Updating the content of HTML elements
- Changing the HTML elements properties
- Attaching DOM events to HTML elements
- Adding and removing HTML elements from page

Day-14

- AJAX
- JSON object
- Custom Object Creation
- Accessing object properties

Day-15

- Number object and methods
- String object and methods
- Array object and methods
- Date object and methods

Day-16

- Form Validation
- Chrome debugger panel
- Code Debugging
- Best Practices
- Project Review

