



# A.S. Technologies

## DIPLOMA IN WEB DEVELOPMENT

Learn to How build websites. Static And Dynamic Website. How To Create pages in website. How to Bay Domain and Upload Website to Domain We Learn from Basics HTML, JavaScript to Masters in front-end UI design. Advance in Visual Studio .net With MVC pattern

## COURSE OVERVIEW

A.S. Technologies Offers 3 Months Intensive Program For Beginners As Well As Professionals...

## FUTURE OF DPLOMA IN WEB DEVELOPMENT

After Completing This Course You will Become a Front End Developer, Back-end Developer, Team Leader in Software Company

## WHO CAN DO

- Students (10/12 pass )
- Job Seekers
- Freelancer

## OUR FEATURES

- Fully practical training
- latest Marketing Trends
- cost-effective and scalable
- Installment facility
- 100% job Assistance



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# TOPICS COVERED IN WE DEVELOPMENT

Sr. No.	Topic	Short Description
1	Introduction to HTML	HTML (HyperText Markup Language) is the standard language used to create and structure web pages using elements and tags.
2	HTML Basic Elements & Formatting	Covers essential tags like <code>&lt;html&gt;</code> , <code>&lt;head&gt;</code> , <code>&lt;body&gt;</code> , and formatting tags like <code>&lt;b&gt;</code> , <code>&lt;i&gt;</code> , <code>&lt;u&gt;</code> , <code>&lt;strong&gt;</code> , and <code>&lt;em&gt;</code> for structuring and styling content.
3	HTML Links & Navigation	Using the <code>&lt;a&gt;</code> tag to create hyperlinks, internal navigation, and linking to other web pages or resources.
4	HTML Images & Multimedia	Embedding images using <code>&lt;img&gt;</code> and adding audio/video content with <code>&lt;audio&gt;</code> and <code>&lt;video&gt;</code> tags, including attributes for control and display.
5	HTML Tables	Creating tabular data using <code>&lt;table&gt;</code> , <code>&lt;tr&gt;</code> , <code>&lt;td&gt;</code> , <code>&lt;th&gt;</code> , and enhancing it with attributes like <code>colspan</code> , <code>rowspan</code> , and styling.

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6	HTML5 Advanced Features	Introduces semantic elements like <code>&lt;section&gt;</code> , <code>&lt;article&gt;</code> , <code>&lt;header&gt;</code> , <code>&lt;footer&gt;</code> , and APIs like local storage.
7	HTML Responsive Design	Techniques for making web pages mobile-friendly using the <code>&lt;meta viewport&gt;</code> tag, fluid layouts, and CSS media queries.
8	Introduction to JavaScript	JavaScript is a client-side scripting language used to add interactivity, control behavior, and manipulate HTML content in web pages.
9	JavaScript Basics	Covers syntax, variables ( <code>var</code> , <code>let</code> , <code>const</code> ), data types, operators, and basic statements.
10	Control Structures & Loops	Using conditional statements ( <code>if</code> , <code>else</code> , <code>switch</code> ) and loops ( <code>for</code> , <code>while</code> , <code>do-while</code> ) to control program flow.
11	Functions in JavaScript	Creating reusable blocks of code with functions, understanding function scope, parameters, return values, and arrow functions.
12	JavaScript Objects & Prototypes	Understanding objects, properties, methods, object literals, constructors, and prototype-based inheritance.

<b>Sr. No.</b>	<b>Topic</b>	<b>Short Description</b>
<b>13</b>	<b>Arrays &amp; Array Methods</b>	<b>Working with arrays and built-in methods like push(), pop(), map(), filter(), and forEach() for data manipulation.</b>
<b>14</b>	<b>JavaScript Events &amp; Handling User Input</b>	<b>Handling user interactions using events like onclick, onchange, onmouseover, and using addEventListener().</b>
<b>15</b>	<b>Error Handling &amp; Debugging</b>	<b>Using try...catch for error handling, console.log() for debugging, and browser developer tools for inspecting code.</b>
<b>16</b>	<b>Asynchronous JavaScript &amp; AJAX</b>	<b>Managing asynchronous operations using setTimeout, setInterval, Promises, async/await, and AJAX for data loading without page reloads.</b>
<b>17</b>	<b>JavaScript &amp; Web APIs</b>	<b>Interacting with browser APIs like DOM, Fetch API, localStorage, Geolocation, and Canvas for enhanced web functionality.</b>
<b>18</b>	<b>Introduction of ASP.net MVC</b>	<b>Understanding the MVC (Model-View-Controller) design pattern and how ASP.NET MVC separates concerns for scalable web applications</b>

<b>Sr. No.</b>	<b>Topic</b>	<b>Short Description</b>
<b>19</b>	<b>MVC Architecture</b>	<b>Explains the roles of Model (data), View (UI), and Controller (logic) and how they interact.</b>
<b>20</b>	<b>Creating ASP.NET MVC Project</b>	<b>Using Visual Studio to create a new MVC project with a default folder structure and understanding its components.</b>
<b>21</b>	<b>Routing in MVC</b>	<b>Defines how URL patterns map to controllers and actions using the RouteConfig file and attribute routing.</b>
<b>22</b>	<b>Controllers and Actions</b>	<b>Creating controller classes and action methods that handle requests and return views or data.</b>
<b>23</b>	<b>Views and Razor Syntax</b>	<b>Developing user interfaces using .cshtml files and Razor syntax for embedding C# in HTML</b>
<b>24</b>	<b>Models and Data Binding</b>	<b>Creating model classes, using them to pass data between controller and view, and handling form submissions.</b>

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<b>25</b>	<b>HTML Helpers and Tag Helpers</b>	<b>Using built-in helpers like @Html.TextBoxFor, @Html.LabelFor to generate HTML form controls easily.</b>
<b>26</b>	<b>Validation and Data Annotations</b>	<b>Applying server-side and client-side validation using attributes like [Required], [StringLength], etc.</b>
<b>27</b>	<b>Entity Framework (EF) in MVC</b>	<b>Integrating EF for database operations; working with Code First and Database First approaches.</b>
<b>28</b>	<b>CRUD Operations</b>	<b>Implementing Create, Read, Update, and Delete operations in MVC using EF and Razor views.</b>
<b>29</b>	<b>Layouts and Partial Views</b>	<b>Using _Layout.cshtml for a consistent look and feel; partial views for reusable UI parts.</b>
<b>31</b>	<b>Authentication and Authorization</b>	<b>Implementing user login, registration, role-based access, and securing controllers/actions.</b>
<b>32</b>	<b>Web API Integration</b>	<b>Consuming or creating RESTful services using ASP.NET Web API alongside MVC</b>

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<b>33</b>	<b>AJAX and jQuery in MVC</b>	<b>Using AJAX calls to update parts of a page asynchronously with jQuery and partial views.</b>
<b>34</b>	<b>Publishing and Deployment</b>	<b>Deploying an ASP.NET MVC application to IIS or a cloud platform like Azure.</b>
<b>35</b>	<b>Resume Building</b>	<b>Creating Resume Portfolio Building</b>
<b>36</b>	<b>Interview Preparation</b>	<b>Interview Question</b>



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