NEXTGEN
Computer Institute

Web Design/Front End Developer:- HTML, CSS, Bootstrap, Javascript & JQuery

HTML	
INTRODUCTION	**FORM ATTRIBUTES**
- What is HTML? - What is an HTML Element? - Web Browsers - HTML Page Structure - HTML History - HTML Editors - Save the HTML Page	- Autocomplete - Autofocus - Form, form action, form type, form method, Form validate, form target - Height and width - List - Min and max multiple patterns (regexp)
HTML BASIC	**HIDDEN FIELDS**
- HTML – Elements - HTML – Tags - HTML – Text - HTML – Formatting, Pre - HTML – Attributes - HTML – Font - HTML – Anchor Links - HTML – Comments - HTML – Lists - HTML – Images - HTML – Tables - HTML – Bg-color, Color Codes, Color Chart, Background	- HTML – Password - HTML – Reset - HTML – Submit - HTML – Checkboxes, Radio, Select, Hidden Fields, Upload, Textarea
SPECIAL TAGS	**FORMATTING TAGS**
- HTML – Body, Meta - HTML – Style - HTML – Div - HTML – Layouts, Frames	- HTML – Bold - HTML – Paragraphs - HTML – Headings - HTML – Line Breaks
HTML – HORIZONTAL RULE	**HTML5 SYLLABUS**
- HTML – Email - HTML – Italic	<article> <aside> <figcaption>, <figure> <footer>, <header>

	- <mark> - <nav> - <progress> - <section> - <summary> - <time>
FORM ELEMENTS	**FORM INPUT TYPES**
- <datalist> - <keygen> - <output>	- Color - Date, Datetime, Datetime-local - Email - Month - Number - Range - Search - Tel - Url - Time - Week
HTML FORMS	
- HTML − Forms - HTML − Input - HTML − Text Fields	

CSS	
INTRODUCTION	**CSS3**
- What is CSS? - Why Use CSS? - CSS Syntax - CSS Selectors - How To Add CSS	- Borders - border-radius - Border Images - Backgrounds - Background Size - background-origin - Text Effects - text-shadow - box-shadow - Text, Fonts - Text-overflow - Word-wrap

	● Word-break
CSS BASIC	**TRANSFORMS**
● CSS Syntax ● CSS Selectors (ID, Class, Tags, Attributes) ● CSS Styling	● 2D Transforms ● 3D Transforms
CSS BOX MODEL	**TRANSITIONS**
● CSS Border ● CSS Outline ● CSS Margin ● CSS Padding ● CSS Dimension ● CSS Display ● CSS Positioning ● CSS Floating ● CSS Navigation Bar ● CSS Image Gallery ● CSS Image Opacity ● CSS Align	● Transition-delay ● Transition-duration ● Transition-property, Transition-timing-function

JAVASCRIPT

INTRODUCTION	**HANDLING EVENTS**
● Cross-checking fields ● Displaying more informative errors ● Verifying radio button selections ● Setting one field with another field ● Verifying email addresses	● Responding to window events ● Responding to mouse movements ● Responding to mouse clicks ● Responding to onBlur form events ● Responding to onFocus form events ● Responding to keyboard events
WORKING WITH COOKIES	**THE DOM, NODES, AND OBJECTS**
● Demystifying cookies ● Writing a cookie ● Reading a cookie ● Displaying a cookie	● Understanding the DOM ● Adding nodes to the DOM ● Deleting nodes from the DOM ● Deleting specific nodes

• Counting with cookies • Deleting cookies • Handling multiple cookies • Cookies in action	• Inserting nodes into the DOM • Replacing nodes in the DOM
WORKING WITH DATES AND TIMES	**REAL-WORLD APPLICATIONS OF JAVASCRIPT**
• Displaying dates • Displaying times • Creating a countdown	• Creating sliding menus • Creating pop-up menus • Creating slideshows with captions • Creating a stylesheet switcher

BOOTSTRAP

INTRODUCTION TO BOOTSTRAP	**BOOTSTRAP GRID**
• What is Bootstrap Framework • Why Bootstrap • History of Bootstrap • Advantages of Bootstrap Framework • What is Responsive web page • How to remove Responsiveness • Major Features of Bootstrap • What is Mobile-First Strategy • Setting up Environment • How to apply Bootstrap to Applications	• What is Bootstrap Grid • How to apply Bootstrap Grid • What is Container • What is Offset Column • How to Reordering Columns • Advantages of Bootstrap Grid • How to Display responsive Images • How to change class properties • How to use readymade themes • How to customise Bootstrap's components, Less variables, and jQuery plug-in. • What is Bootstrap Typography • How to use Typography • What are Bootstrap Tables • What is Bootstrap Form Layout • What is Bootstrap Button • How to display images in different styles like Circle shape etc • How to display text like muted and warning etc • What are Carets Classes • How to hide or show the text in Bootstrap
BOOTSTRAP COMPONENTS	**BOOTSTRAP PLUG-INS**
• What is Bootstrap	• What is Bootstrap Plug-Ins

Components
- Why Bootstrap Components
- Advantages of Bootstrap Components
- What are the different types of Bootstrap Components
- What is Glyphicons Component
- How to use Glyphicons Component
- What is Bootstrap Dropdown Menu Component
- What is Button Groups and Button Toolbar
- How to use Button Groups and Button Toolbar
- What are different Input Groups Components
- What is Navigation Pills & Tabs Components
- How to use Navigation Pills and Tabs Components
- What is Navbar Component
- How to build a Responsive Navbar
- How to Add Forms and other controls to Navbar
- How to Fix the position of navbar
- What is Breadcrumb Component
- What is Pagination Component
- How to apply Pagination in Application
- What is Labels / Badge Components
- Why Media Objects Component
- How to use Media Objects Component
- What is Bootstrap List Group

- Why Bootstrap Plug-Ins
- How to use Bootstrap Plug-Ins
- What is Transition Plug-in
- What Modal Dialog Box
- What are the different Properties, Methods and Events of Model Dialog Box
- What is Scrollspy Plug-In
- What is Tab Plug-in
- How to use Tab Plug-in
- What is Drop Down Plug-in
- What is Tooltip Plug-in
- How to use Button Plug-in
- What are the different methods and events of Tooltip Plug-in
- What is Popover Plug-in
- What is alert and Button Plug-ins
- What is Collapse Plug-in
- What are different types of Properties, Methods and Events of Collapse Plug-in
- What is Carousel Plug-in
- What is Affix Plug-in

Component ● What is Bootstrap Panel Component	

JQUERY

INTRODUCTION	TRAVERSAL
● jQuery Introduction ● Install and Use jQuery Library ● Un-Obstructive JavaScript ● First jQuery Example ● jQuery Syntax ● How to escape a special characters	● Traversal Functions

SELECTORS	HTML MANIPULATION
● Basic Selectors	● Getting Setting values from elements ● Handling attributes ● Inserting New elements ● Deleting/Removing elements ● CSS manipulations ● Dimensions ● Positioning

EFFECTS	EVENTS
● Showing/Hiding elements ● Sliding elements ● Fading elements ● Deleting animation elements ● Custom animation	● Working with Events

AJAX AND JSON	
● Ajax with jQuery ● Load method ● jQuery get and getJson methods ● jQuery POST request ● Retrieving js file ● Helper methods	