Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for Web Development

Given below is the brief description for the course you are looking for:

Introduction to Web Technologies
Role of Web Designer
Intro of Web Languages
➔ HTML
➔ CSS
➔ Javascript

Safety to be taken during Designing

Basics of Web Technologies

Introduction to Web Technologies
Scope of Website and Role of Web Designer in Web Technologies
How the website works ?
Client and Server Software.
Static and Dynamic Websites
Web Standards and W3C.ORG

HTML / XHTML

Markup Languages
Structure of HTML
Basic HTML Tags
HTML Elements
HTML Attributes
HTML Headings
HTML Paragraphs
HTML Formatting
HTML Styles
HTML Links
HTML Images
HTML Tables
HTML Lists
HTML Forms

HTML Iframes
Difference between HTML & XHTML
XHTML Basics
Introduction to Doc Types

HTML Advanced

HTML Layout
HTML Doctypes
HTML CSS
HTML Head
HTML Meta
HTML Scripts
HTML Entities
HTML URLs
HTML Webserver
HTML Summary

Web Design with CSS

Introduction to Cascading Style Sheets
Types of Style Sheets
Types of CSS Selectors
CSS properties
CSS Styling
Styling Backgrounds
Styling Text
Styling Fonts
Styling Links
Styling Lists
Styling Tables

CSS Box Model

CSS Box Model
CSS Border
CSS Outline
CSS Margin
CSS Padding

CSS Advanced

 CSS Grouping/Nesting

CSS Dimension
CSS Display
CSS Positioning
CSS Floating
CSS Align
CSS Pseudo-class
CSS Pseudo-element
CSS Navigation Bar
CSS Image Gallery
CSS Image Opacity
CSS Image Sprites
CSS Media Types
CSS Attribute Selectors
CSS Fixed Vs Liquid Layout
Custom CSS Layout Design
Creating simple and dropdown menus
Creating Appealing forms using CSS
CSS Tips and Optimization Techniques

Adobe Photoshop CC

Introduction of Stock Photography
Types of Images and Image Editing Tools
Introduction to Adobe Photoshop
Using Photoshop Tools
Layers, Actions and Filters
Creating Custom Effects
Design Banners for Website
Basic Website Layout
12 Grid Layouts (For Desktops and Tablets)
6 Grid Layouts (For Smartphones)
PSD to HTML Conversion

Adobe Brackets

Installation process of Brackets

Introduction to Adobe Brackets
Learning the Interface
Add plugins in Adobe Brackets.

SEO (Intro)

What is SEO & its scope.
Keyword Research and Analysis (Tools and Implementation)
Website Analysis
Website Performance Monitoring
Google Analytics/Webmaster
XML Sitemap
Use of Meta Tags

Web Hosting Training

Web Hosting Basics
Types of Hosting Packages
Linux and Windows Control Panel
Using FTP Client
Maintaining a Website
Domain Names Registration, Subdomain

UI Development

Java Script

- What is Javascript?
- Client side Vs Server Side JavaScript
- Javascript Variables
- Javascript Comments
- Javascript Datatypes
- o Primitive Datatype
- o Refrence Datatype
- JavaScript operators
- Javascript Strings
- JavaScript Numbers
- Javascript DOM
- DOM Selectors
- JavaScript CSS
- JavaScript Events

- Event Listeners
- Event Propagation
- o Event Bubbling
- o Event Capturing
- Javascript Functions
- Javascript Conditions
- o If else statement
- o Switch Statement
- Javascript Loops
- o While Loop
- o Do While Loop
- o For Loop
- o For in loop
- Javascript Try Catch
- Javascript Arrays
- JavaScript Objects
- JavaScript Timing Functions
- Javascript Window Objects
- Javascript Screen Objects
- Javascript History Objects
- Javascript Location Objects
- Javascript Navigator Objects
- Javascript Date Objects
- Javascript Math Object
- Javascript Regex Object
- Javascript Cookies
- Javascript Form Validations
- JavaScript Debugging

Advance JavaScript

- Function Callbacks
- Constructor Functions
- JSON
- JS Async Functions
- Node JS Basics

AJAX

- XMLHttpRequest
- Ajax get and post
- Ajax Send
- Ajax onreadystate
- Fetch JSON data through Ajax
- Fetch API data through Ajax

JQUERY

Jquery Syntax
Jquery Versions, CDNs
Jquery Selectors
Jquery Events
Jquery HTML
Jquery CSS
JQuery Animation
Conflict with jquery
Customized Jquery Apps
JQuery Menus
Jquery Image Slider
JQuery Accordions & Collapsible.
Scrolling Contents.
User Interface Designing using jQuery.
Parallax Design Websites.
Jquery UI Library
Jquery Lightbox
Jquery Scrolling Effects
Jquery Plugins

HTML5 and CSS3

Why do we need HTML5?
What happened to XHTML?
A tiny history of markup
The promise of a semantic web

The New and the Old

New structural tags
New content tags
New attributes
Deprecated elements
Semantic tagging

Document Structure

Structuring top-level elements
Structuring interior content

Building headers
Checking document outlines
Navigation elements

New Form Controls

New input types
Setting form autofocus
Using placeholder data
Marking required fields
Working with number inputs
Validate Form using Html5

The HTML5 API

Canvas overview
HTML-5 Geo Location
Adding canvas content
Canvas vs. SVG
Charts through Canvas

Video and Audio

Video overview
Audio and video containers
Audio and video codecs
Supported formats
Custom Controls using Javascript

HTML5 Web Storage

Local Storage
Session Storage

Introducing CSS3

What's new in CSS3
Why do we need it?
CSS3 and HTML5
CSS3 and JavaScript
Corners, Colours, Backgrounds

Rounded corners
Colour and opacity
Border Image
Gradients
Multiple backgrounds

Techniques and Effects

Text and box shadows
Scaling and transformations

Fonts and Text Handling

Multi-column layout
@font-face
Google Fonts service

Transformation & Animation

Scaling, skewing and rotating
Working with transition

HTML5, CSS3 Here and Now

Current browser support
Mobile support
HTML5 Old Browser Support

Responsive Layouts

Understanding Responsive Behaviour
12 Grid layout (1200px) For **Large Screen Desktop**.
12 Grid layout (960px) For **Medium Screen Desktop**.
12 Grid layout (768px) For **Tablets & IPads**.
6 Grid layout (100%) For **Smartphones**.
Create **responsive Layouts** using **CSS Media Query**.
Responsive Layouts Debug and Testing

Device Testing on **Iphone** and **Android Phones**.

Android Inspect Element Testing.

Bootstrap Framework

Twitter Bootstrap Introduction and use

Installation of Bootstrap

Bootstrap CSS & JS

Bootstrap Image Slider

Bootstrap Menus

Bootstrap Components (Model Form)

Bootstrap Project

SASS

- What is Sass
- Sass Vs Less
- Sass Installation
- How to use sass
- Integrate Sass with Project

AngularJS

- What is **Angular JS**
- Advantage of Angular JS
- Setup Angular JS Environment
- Angular 1 Vs 2 and 4
- Installation
- What is MVC Architecture
- Angular JS Directives
- Angular JS Controllers
- Angular Form Validation
- Angular JS Filters
- Angular JS Module
- $scope
- $http

UI Testing

- W3C Validations
- Cross Browser Testing
- Upto IE8 Testing

- UI Testing for Android and IOS Devices
- Android Remote Usb Debugging
- Page Speed and Performance Testing
- User Experience Testing

Dynamic Webpage Development (PHP 7)

Installation
  Installation of PHP, MySQL or MariaDB and Apache
  Installation of IDE

Introduction to PHP
  About Website Development
  What is PHP
  Why PHP is better than others
  What is WAMP
  What is Apache Server
  PHP Syntax
  Comments in PHP
  PHP Variables
  PHP is loosely typed language
  How to display output
  Datatypes and variable declaration
  Datatype conversion
  Using comments
  Operators
  Type casting

Control flow in PHP

  Conditionals
    The if statement
    The else statement
    The else if statement
    The switch statement
  Looping
    while loop
    do...while loop
    for loop

breaking out of a loop

Arrays in PHP
Numerically Indexed arrays
Associative arrays
Assignment using the array keyword
foreach loop
Multidimensional arrays
Super global arrays

Functions in PHP
String functions
Date time functions
Array functions
Checking of function existence
Create your own functions
Call by value
Call by reference
Global variables in functions
Variables Scope

Form Handling in PHP
Difference between GET and POST
Building Forms
Retrieving submitted data

Reusing Code in PHP
include statement
include_once statement
require statement
require_once statement
Breaking HTML, CSS template and reuse of it

OOPS programming in PHP
Declaring a class
Creating an object
Accessing objects
Cloning objects
Constructors
Destructors

Writing methods
Declaring properties
Declaring constants
Property and method scope
Static properties and methods
Inheritance
Namespaces

Exception Handling In PHP
Types of errors
@ operator
try block
catch block

Cookies in PHP
Setting a cookie
Accessing cookie
Destroying a cookie
- Cookie based voting script

Session in PHP
Starting a session
Ending a session
Insert value in session
Show value from session
Update value of session
Destroy value of session
Session id

Database Programming in PHP using MySQL or MariaDB

Basic of database
What is table?
What is database?
RDBMS
What is SQL?

Introduction to MySQL or MariaDB
Accessing MySQL or MariaDB from command line
Accessing MySQL or MariaDB via phpMyAdmin

Import and export of database

SQL using MySQL or MariaDB
Creating a database
Selecting database
Datatypes
Creating a table
Inserting data into table
Show data from table
Show filtered data from table
Update data in table
Delete data from table
Drop table
Drop database
Constraints
Different types of clauses
Normalization
Subqueries
Joins
Query optimize

Accessing MySQL or MariaDB using PHP
Executing select query using mysqli
Executing non select query using mysqli

More PHP
Uploading and Downloading in PHP
CRUD (MySQL) Grid
SMS Gateway
Google Chart API
URL rewriting
GD Library
Upload website from localhost to server
SEO friendly URL's
Redirection and hashing
Authentication (User Registration, Login, Logout etc.)
SQL injection & securing website
Regular expression
Client side and server side validation

Sending email through coding
HTTP request by programming
CAPTCHA
Configure PHP.INI
.htaccess file

Ajax

What is Ajax?
Synchronous Ajax
Asynchronous Ajax
GET method
POST method
JSON example

- How to create Ajax Tab
- Country State City with Ajax
- Ajax like dislike script
- Check user availability

Web services

Introduction to web service
Introduction to JSON
Creating web service
Consuming web service
JSON parsing

Custom CMS

What is CMS
Why it is required
How to create custom CMS
How to create CMS Admin panel
How to create CMS Front panel

WordPress

Installation of WordPress
Getting started with WordPress
WordPress as a blogging platform
WordPress as a content management system
Work with WordPress themes
Manage multimedia in WordPress

Install plugins in WordPress

Page builder plugin

Adding of google map

Adding of contact form

Export and import of data

MVC Framework

What is MVC Framework

Why it is required

How MVC Framework works

How to create CMS Admin panel

How to create CMS Front panel

Codeigniter

What is Codeigniter

Codeigniter file structure

Codeigniter setup

Controllers

Views

Form

Blade Templates

Session

Validation

Database

Website hosting with database

Create your own Website (Project)

Create Layout in Photoshop

Start Designing the Website

Manual testing Process to test your website

Uploading website on server

  ➢ Project on web designing
  ➢ Project on UI Development
  ➢ Project on Bootstrap Framework
  ➢ Project on PHP
  ➢ Project on Wordpress