

## COURSE CONTENT

### HTML

- What is HTML?
- Block and inline elements.
- Image size, Alternate Text.
- Unordered Lists, Order List, List Items.
- Para attributes, BGcolor, font, size etc.
- HTML Forms.
- HTML Inputs.
- Edit Box, Radio Buttons, CheckBox, DropDownList, Buttons.
- HTML Tables.
- TR, TD, TH, Colspan, Rowspan, Borders.
- HTML-5 Elements – CANVAS, SVG, SEMANTIC ELEMENTS.

### CSS

- What is CSS?
- Why Cascading Style Sheets?
- A Basic Example.
- How to implement CSS?
- CSS Id Selector.
- CSS Class Selector.
- Different ways to use CSS.
- Inline, Internal and External CSS.
- Display & visibility.
- Float & Positioning.
- Image sprites.
- CSS3: Animation, background sizing, gradient, box and text shadow.
- 2D & 3D transform.

### BOOTSTRAP

- Introduction
- Grid structure and multi device support.
- Classes and their use.
- Block and inline element classes.
- Container vs container-fluid.
- Nesting and offsetting columns.
- Navbar and its types.
- Panel, well, jumbotron.
- Tabs and pills.
- Tables, forms and form-control.
- Media objects, models.
- Popover.
- Scrollspy.

### JAVASCRIPT

- JavaScript introduction and syntax.
- Variables and their scope.
- Functions.
- Events and event handlers.
- Date and date function.
- String, String methods.
- Number, Number methods.
- Conditions and loops.
- JS Forms and their validation.
- Objects, DOM.

## JQUERY

- Introduction
- Syntax and structure.
- Document ready event.
- Selectors.
- Event methods.
- Effects.
- Animations, callback, chaining.
- DOM Manipulation.
- Set content & attributes.
- Add new HTML content.
- Remove elements.
- CSS manipulation.

## ANGULAR JAVASCRIPT

- Introduction and syntax.
- Directives & expressions.
- Numbers, modules and controllers.
- Data binding.
- Two way binding.
- Filters, repeating HTML, creating new directives.
- Tables, SQL, HTML DOM.
- Events and forms.
- Input validation.
- Custom validation.
- Route provider.
- Template URL.
- Otherwise method.
- Global API.
- Types of errors.

## PHP

- Introduction.
- Variables and their types.
- Scope.
- Print output in PHP.
- Echo vs Print\_R
- Conditional statements and loops.
- Function and arguments.
- Math function, array function, isset function.
- Multidimensional arrays.
- Array sorting.
- PHP Superglobals.
- Forms.
- Date function and time zone.
- Include vs Require.
- File handling and file upload.
- Session and cookies.
- Filters.
- Error handling.

## MYSQL

- Introduction.
- MYSQLI functions.
- Parameters.
- Database queries.
- Creating a table
- Insert single and multiple records.
- Fetch data using script.
- Where clause.
- Update and delete data.
- Import and export database.
- Advanced SQL concepts for dynamic operations.

## WORDPRESS

- Introduction.
- Download and installation.
- Create a post.
- Post categories.
- Add media top post.
- Create pages and uploads.
- Installing a theme.
- Access theme from admin panel.
- Customize a theme.
- Link and link categories.
- Pages and comments.
- WP update and child theme.
- WP plugins.
- WP theme integration.

## CODEIGNITER

- Introduction.
- File structure.
- Data flow.
- MVC structure.
- Libraries
- Calendar Class
- Cart Class
- Email Class
- Form Validation Class
- HTML Table Class
- Input Class
- Output Class
- Pagination Class
- Session Class
- Many more advanced concepts.

## ANDROID DEVELOPMENT

- Basics of Android
- UI Widgets
- Activity, intent, fragment
- Android Menu
- Layout Manager
- Adaptor
- Android Service
- Data Service & more advanced content.

## DIGITAL MARKETING

- Overview Of Digital Marketing
- Case Study Presentations
- Briefings (Online Payments, Disability Web Access Surveys & Forms, Affiliate & Voucher Marketing, Crowdsourcing)
- Web Marketing
- Search Engine Optimisation (SEO)
- Online Advertising
- Social Media Marketing (Facebook & LinkedIn)
- Mastering Google (AdWords Advertising, Analytics & Applications)

## ASP.NET

- What is Asp.Net
- How Asp.Net Works
- Use of Visual Studio
- Different Languages used in Asp.Net.
- Common Language Runtime (CLR)
- .NET Framework Class Library.
- Overview of coding standards follows during programming.
- SQL & data access.

## LINUX ADMINISTRATION

- Linux Essential
- Linux Installation
- Linux System Administration - Managing Startup
- Command line and related concepts.
- System Initialization
- Booting and run levels
- Package Management -Working with packages
- Kernel Services -Configuring the kernel
- System Services –Linux System Services and much more.

### **To be noted:**

- UI DEVELOPMENT course would consist of everything up to bootstrap and basics of ANGULAR JS.
- WEB DEVEOPMENT course would consist of everything till CODEIGNITER except ANGULAR JS.
- ANDROID, DIGITAL MARKETING, LINUX are all individual courses with no mutual dependency.
- ANGULAR JS would be provided as a separate course if inquiries arrive.