Prerequisites

- Network Basics
 - ➤ What is Internet?
 - ➤ What is a Web Server? What is a Web Browser?
 - ➤ How is website hosted? Shared Hosting, Private Server, Cloud Hosting
 - ➤ What is an IP address?
 - What is DNS?
 - > TCP/IP protocol
 - ➤ HTTP/FTP/SMTP
 - > HTTP Request methods
 - > SSL and TSL
 - Basic understanding of Routing LAN/WAN, ISP, Ethernet, Modem, Router, Packets
 - > Firewall
- > Interaction Design Basics.
- Static Vs Dynamic websites
- Basics of web page designing
- > Basic understanding of HTML, CSS and JavaScript concepts
- ➤ Basic HTML tags, CSS properties and their uses

Course Curriculum

Introduction to web applications / Skimming through prerequisites.

- > Technologies used to develop a basic web page
- > Basic HTML markup and structure
- Importing .js and .css files
- Declaring HTML version and browser compatibility
- Basics of Web accessibility
- Basics of SEO
- XML and JSON
- ➤ GIT/Node/Npm

Advanced HTML

- > HTML5 Events
- > HTML5 Media
- ➤ HTML5 APIs
 - > HTML5 Geolocation
 - > HTML5 Local Storage
 - ➤ HTML5 WebSQL
 - > HTML5 web sockets
- ➤ HTML5 Canvas
- ➤ HTML5 SVG

Advanced CSS

- > Responsive web design
- CSS3 Animation
- CSS3 Transitions, Transformations
- Flex boxes

Single Page Applications

- ➤ History and Importance of SPA and challenges to create with pure JavaScript
- Popular SPA frameworks
- Routing Concept

Angular 4

- Introduction to typescript and ES6 JavaScript
 - Brushing up basic concepts
 - > ES6 advantages
 - ➤ What is typescript? Differences and Advantages over JavaScript
- > Introduction to Angular
 - > Features
 - > Angular architecture
 - Components/Directives
 - Services
 - Pipes
 - Modules
 - > Tooling options for angular
 - Webpack
 - Systems.js
 - Angular CLI
 - Installation and project setup using Angular CLI
 - Explain sample project structure
- > Angular4 Deep Dive
 - Components and Directives
 - > Templates
 - Dependency Injection

- Services
- Pipes
- Routing
- ➤ Life Cycle Events
- > Forms
- Modules
- Unit testing
- Packaging and Releasing
- > Live preview of a hero-list app