

# UX/UI DESIGN TRAINING

## Introduction to web

- development Server Vs browser
- Web Architecture
- Understanding browser

## HTML 5

- INPUT elements
- Block level elements
- Inline elements
- Attributes
- Audio Tags
- Video Tags
- SVG(Scalar Vector
- Graphics) Canvas
- Articles

## Javascript Basic- Advanced.

- Introduction to Javascript
- Understanding programming basics of java Script
- DOM Manipulation with SOLID Principles
- Object Oriented Javascript
- Understanding Prototypes, Immediate functions
- Understanding Closures and Call Back functions

## Introduction to Angular js

- What is Dependency Injection?
- Introduction to MVC design pattern.
- What are Views, Models and Controllers in Angular?
- Introduction to Modules, Controllers, Services, factories, filters, Directives, Templates and Routing.
- A Simple Demo comparing the traditional development with angular development.

## Building a Single Page Application

- Creating a HTML App with Twitter Bootstrap
- Adding a simple Angular controller

- Adding a simple Angular Model
- Explaining the MVC Pattern.

### **Understanding the concept of ng-App and Modules in Angular.**

- In depth understanding of models and controllers by creating a demo application. Understanding the concept of scope.
- Managing Scope and Setting up Behavior Building a basic controller.
- Working with built in services and factories Creating a custom services

### **Injecting services to various other elements Demo**

- Routing in angular js understanding the default
- routing Using angular ui router dealing with states

### **Resolving routes**

- Passing parameters in routes
- Demo

### **Events**

- Controller to controller communication
- Understanding the \$broadcast, \$on,\$watch and \$emit
- Demo

### **Directives**

- Working with built in directives
- Understanding the link function
- Creating custom directives
- Advanced concepts of directives
- Demo

### **Promises**

- Understanding the promise patterns
- Working with \$q in angular js
- Demo

### **Filters**

- Working with built in filters
- Creating Custom filters

### **Validation**

- Working with form validation
- Creating custom validators

## **Working with external components**

- Grid Component
- Modal component
- Pagination component
- Accordion and Tab control

## **Unit Testing**

- Working with Grunt
- Working with Gulp
- Working with Yeoman, Bower
- Working with Jasmine and Karma