TechnoMaster

Angular JS

Duration:20 Hrs (Changeable) | Fees: Individual / Batch

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Syllabus Contd..

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Syllabus

Module 1: Introduction to HTML

* HTML Basics, Elements, Attributes, Styles

* Forms, Form Elements, Input Element Types

* Input Attributes, File Paths, Script tag

* HTML & XHTML

Module 2: Introduction to CSS

* CSS Introduction, Syntax, Selectors, Styling

* Pseudo class, Pseudo Elements

* CSS Tables, CSS Box Models

* CSS Opacity, CSS Navigation Bar, Dropdowns

Module 3: Introduction to JavaScript

* JavaScript Statements, Keywords, Functions

* JavaScript Programs, Operators, Functions

* Function Parameters, Function Return Types

* Data Types, Primitive Types

Module 4: Working with Objects

* Object Oriented Programming, Object Creation

* Adding Methods of Objects

* JavaScript Loops Iteration

* Adding Properties of Objects

* JavaScript Conditional Statements

* Enumerating Properties, Callbacks, JSON

Module 5: Angular JS Basics

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* What is Angular JS?

* Why Angular JS?

* Why MVC matters

* MVC-The Angular JS way

* Features of Angular JS ,Model-View-Controller

* My First Angular JS app

Module 6: Angular Expressions

* All about Angular Expressions

* How to use expressions, Angular vs JavaScript

Module 7: Filters

* Built-In Filters, Using Angular JS Filters

* Creating Custom Filters

Module 8: Directives

* Introduction to Directives, Directive Lifecycle

* Binding controls to data, Matching directives

* Using Angular JS built-in directives

* Creating a custom directive

Module 9: Controllers

Role of a Controller, Controllers Modules

* Attaching Properties and functions to scope

* Nested Controllers, Using Filters in Controllers

* Controllers in External Files

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Module 10: Angular JS Modules

Introduction to Angular JS Modules

* Bootstrapping Angular JS

Module 11: Angular JS Forms

* Working with Angular Forms, Model Binding
* Forms Events, Updating Models with a Twist
* Form Controller, Validating Angular Forms
* $error object

Module 12: Scope

* What is scope, Scope Lifecycle
* Scope Inheritance, Scope & Controllers
* Root scope, Scope Broadcasting
* Two-way data binding, Scope Inheritance
* Scope & Directives, $apply and $watch
* Scope Events

Module 13: Dependency Injection Services

* What is Dependency Injection
* Creating Services, Factory, Service & Provider
* Using Dependency Injection, What are services
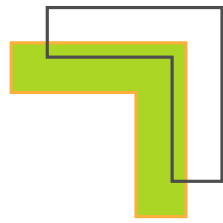* Using Angular JS built in services

Module 14: Single Page Application (SPA)

* What is SPA, Pros and Cons of SPA

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* Passing Parameters, Changing location

* Installing the ng Route module, Configure routes

* Resolving promises, Creating a Single Page Apps

Module 15: Angular JS Animation

ng Animate Module, CSS Transforms

* CSS Transitions, Applying Animations

Module 16: Introduction to Node JS

* Introduction to Node JS

* Advantages of Node JS

* What is Node JS, Node.js Process Model

* Traditional Web Server Model

Module 17: Setup Development Environment

* Install Node.js on Windows

* Working in REPL, Node JS Console

Module 18: Node JS Modules

Functions, Buffer, Module

Modules Types

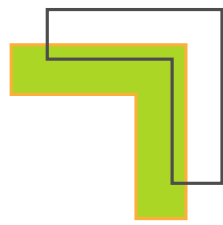**Core Modules, Local Modules**

Modules Exports

Module 19: Node Package Manager

* What is NPM, Installing Packages Locally

* Installing package globally

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* Adding dependency in package json

* Updating packages

Module 20: Creating Web Server

* Creating Web Server

* Sending Requests

* Handling http requests

Module 21: File System

* read File, Writing a File

* Opening a file, Deleting a file

* Writing a file asynchronously

* Other IO Operations

Module 22: Debugging Node JS Application

* Core Node JS Debugger

Module 23: Events

* Event Emitter class

* Inheriting Events

* Returning event emitter

Module 24: Express JS

* Configuring Routes

* Working with Express

Module 25: Serving Static Resources

* Serving Static Files

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* Working with Middle Ware

Module 26: Database Connectivity

* Connecting String, Configuring

* Updating Records

* Working with Select Command

* Deleting Records

Project Development