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## Course: Angular JS

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

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

### Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, SalesForce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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## 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

(Click on Course for more details)

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**- Thank You -**

N.B:This syllabus is not final and can be customized as per requirements / updates.

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