

Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for Mean Stack

Given below is the brief description for the course you are looking for: -

Prerequisites

- Initial Java Script knowledge.
- Basic Web Development knowledge

Angular 6

Introduction to Angular 6

- What is Angular 6 platform
- Angular 6 advantage
- Setup angular 6 project and IDE (Integrated Development Environment)

Basics of Typescript

- What is Typescript
- Typescript Classes
- Interface
- Inheritance
- Constants and scoped variables
- Arrow function
- Template String
- Modules

Components

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- Creating Components
- Templating
- Interpolation
- Property Binding
- Event Binding

Directives

- Attribute Directives
 - ngStyle
 - ngClass
- Structural Directives
 - ngIf
 - ngFor
 - ngSwitch
- Creating Attribute directive

Nested Components

- Passing data to nested component
- Passing data to parent component

Advanced Components

- Component Lifecycle
- Element Ref
- Encapsulating Component Styles

Services

- Building Service
- Registering the service
- Injecting service
- Observables
- Retrieving data using HTTP
- Exception Handling

Pipes

- Using inbuilt pipes
- Creating custom pipes

Forms

- Template Driven forms
- Reactive Forms
- Form validations
- Creating custom validations

Routing

- How routing works
- Configuring routes
- Redirecting route to another route
- Defining links
- Using route parameters

- Defining Child Routes
- Controlling access to routes with Route Guard
- Activating a Route with code

Modules

- Why Modules?
- Creating a Feature module
- Adding component, pipes and services
- Creating a Shared module
- Injecting and accessing Shared module's Components, Pipes & Services
- Lazy loading module

Additional Topics

- Angular CLI
- Custom provider for existing Services
- Building and packaging for production
- Analysing the bundle and refactoring
- AOT and JIT Compiler

NODE JS

- Introduction about Node JS
- Fundamental
 - Node.js framework
 - How to Install Node.js
 - Execute Node JS scripts
- NodeJS Projects setup
 - Package Manager
 - Creating project
 - The package.json config file
 - Global and local package installation process
- Work with HTTP
 - What is HTTP protocol?
 - Creating HTTP server
 - Render a response
 - Process query strings
 - Use of (REST) Representational State Transfer
- File System (IO Operation)
 - Synchronous and asynchronous I/O operation
 - Path and directory operation
 - filename and dirname commands
 - Asynch reads and writes operations on file
- Buffer, Streams, and Events with IO
 - Use of buffers for binary data

- Flowing and non-flowing streams
- Streaming of I/O from files and sources
- Asynch Processing of streams
- Event handler configuration

- Module & Unit Testing of NodeJS
 - Implementation of Modularization
 - CommonJS and RequireJS standards
 - Creating module with exports
 - Creating a package
 - Module scope and construction
 - Working with unit testing frameworks
 - How to perform unit test?
 - Creating unit tests with Mocha

- NodeJS Express Framework
 - The MVC (model-view-controller) pattern
 - Defining Jade and Handlebars templates
 - Building a front-end controller
 - Defining routes
 - Creating actions
 - Configuring Express to use Handlebars
 - Using REST
 - Reading POST data
 - Building Handlebars helpers
 - Adding middleware

- Connection with DB(RDBMS & MongoDB)
 - Connection of Node.js code to databases
 - Connecting to RDBMS and NoSQL databases (Mongo DB)
 - What is NoSQL and Why NoSQL?
 - Difference Between RDBMS and NoSQL Databases
 - Inserting record in Mongo DB using NodeJS
 - Retrieving record in Mongo DB using NodeJS

- Updating record in Mongo DB using NodeJS
- Deleting record in Mongo DB using NodeJS
- Performing search operation.

Course Duration	4 to 4.5 Months
Fees	Call at 9015041412 to know the fee
Slots	Weekends
Placement	yes, http://www.techaltum.org/

Trainer Profile(Angular): -

6+ Years' Experience in Software development(.Net).

2+ Years' Experience in Angular and React

Involved in Corporate Training from last 4 Years.

Trainer Profile(NodeJS): -

4+ Years' Experience in Software development.

2+ Years' Experience in Angular, NodeJS, MongoDB and ExpressJS

Involved in Corporate Training from last 1.5 Years.