

MEAN STACK



CURRICULUM

» Node.js & Node Version Manager(NVM)

- Getting started with Node.js
- Node Package Manager
- Modules
- Asynchronous Programming
- Callbacks
- Events
- Streams

» Introduction to TypeScript

- Why Use TypeScript
- Basic Types
- Classes and Interfaces
- Type Definitions
- Compiling TypeScript

» Getting Started with Angular

- Installing Angular CLI
- Angular Architecture overview
- Creating first Angular application

» Modules

- Why use Modules
- NgModule
- Declarations
- Providers
- Imports
- Bootstrapping
- The Core Module
- Shared Modules

» Components

- Introduction to Components
- Component Architecture Patterns
- Decorator Metadata
- State & Behaviour
- Inputs and Outputs

» Templates

- Inline vs External
- Template Expressions
- Data Bindings
- *ngIf else and *ngFor
- Built-in Structural Directives
- Built-in Attribute Directives

» Custom Directives

- Types of Directive
- Create your own Structural Directive
- Create your own Attribute Directive

» Pipes

- Built-in Pipes
- Custom Pipes

» Services

- Introduction to Services
- Building a Service

» Dependency Injection

- Introduction to Dependency Injection
- Injectors & Providers
- Registering Providers

» Lifecycle Hooks

- Component LifeCycle
- Using ngOnInit
- All lifecycle Hooks

» Routing

- The Component Router
- Defining Routes
- Navigation
- Route Params
- Child Routes

» Advanced Routing

- Route Guards

» Template-driven Forms

- Introduction to forms
- Template-driven forms
- Validation

» Asynchronous Operations

- Introduction to Async
- Promises
- Observables
- HTTP Request / Response

» Testing

- Introduction to Testing
- Unit Testing
- E2E Testing

» Third –Party NPM Package

- Social Login Authentication
- Cookies and Local Storage
- Angular File Upload
- Angular Pagination
- Angular Shopping Cart

» Express.js

- MVC Pattern
- Introduction to Express
- Routing
- HTTP Interaction
- Handling Form Data
- Handling Query Parameters
- Cookies and Sessions
- User Authentication
- Error Handling
- Creating and Consuming RESTful Services
- Using Templates

» MongoDB

- Understanding NoSQL MongoDB
- Finding Documents
- Update, Insert, and Upsert
- Indexing
- Data Modeling
- Aggregation
- Implementing Mongoose

» Deploying Node application on server

» Loading Balancing using PM-2

» Use of Ngrok utility for creating HTTP tunnel

» Use of NodeMon utility

MINI PROJECT

» Covering All the Concepts

Partners :



Java



development | consultancy | training

E-mail: info@ducatindia.com

Visit us: www.ducatindia.com

www.facebook.com/ducateducation

NOIDA

A-43 & A-52, Sector-16,
Noida - 201301, (U.P.) INDIA
☎ 70-70-90-50-90
☎/✉ +91 99-9999-3213

GURGAON

1808/2, 2nd floor old DLF,
Near Honda Showroom,
Sec.-14, Gurgaon (Haryana)
☎ 70-70-90-50-90

GHAZIABAD

1, Anand Industrial Estate,
Near ITS College, Mohan Nagar,
Ghaziabad (U.P.)
☎ 70-70-90-50-90

PITAMPURA (DELHI)

Plot No. 366, 2nd Floor,
Kohat Enclave, Pitampura,
(Near- Kohat Metro Station)
Above Allahabad Bank,
New Delhi- 110034.
☎ 70-70-90-50-90

SOUTH EXTENSION (DELHI)

D-27, South Extension-1
New Delhi-110049
☎ 70-70-90-50-90
☎ +91 98-1161-2707