



MEAN Stack Training + Certification



Learning Collaborations



Global Certifications



Intro to the MEAN Stack Program

Full Stack Web Developer Mean Stack course provides complete knowledge of software development and testing technologies such as JavaScript, Node.js, Angular, Docker, and Protractor. You'll build an end-to-end application, test and deploy code, and store data using MongoDB. This MEAN stack developer program provides extensive training in front-end, middleware, and back-end software development technologies, including testing and quality assurance. Phase-end and capstone projects are based on real business scenarios.

About the MEAN Stack Certification

This course is designed for clearing the TechVidya MEAN Stack Certification. The entire course content is in line with the certification program and helps you clear the certification exam with ease and get the best jobs in top MNCs.

As part of this training, you will be working on real-time projects and assignments that have immense implications in real-world industry scenarios.

At the end of this program, there will be an assessment that perfectly reflects the type of questions asked in the certification exam and helps you score better marks.

TechVidya Course Completion Certificate will be awarded upon the completion of the project work and upon scoring at least 60% marks in the final assessment.

Objectives of the MEAN Stack Certification

- Learn core computer science concepts from leading industry experts with content structured to ensure industry relevance
- Build an end-to-end application with exciting features and test it
- Earn an industry-recognized course completion certificate

Prerequisites of the MEAN Stack Program

- This course assumes no previous experience, and takes you from the absolute beginner concepts and then goes into more detail. Any technical degree or equivalent such as B.tech, M.tech, a degree in engineering, a bachelor's or master's in computer science, and basic programming knowledge.

Modules covered under MEAN Stack Training Program

Module 1: MongoDB

- Design Goals, Architecture, and Installation
 - What is the need for Non-RDBMS
 - Benefits of using Document-based databases
- CRUD Operations
 - Understanding of CRUD Operations
 - Functional usage of CRUD
 - Read / Write Operations with CRUD
- Schema Design and Data Modelling
 - Schema Design and
 - Data Modelling in MongoDB®
 - Various Data Structure and
 - Tools to Manage Data Model in MongoDB

Modules covered under **MEAN Stack Training Program**

Module 2: EXPRESS JS

- An Introduction to Express JS
- Routing
- Setting Up Router
- Route Parameter and queries
- HTTP Interaction
- Handling Form Data
- Handling Query Parameters
- Error Handling
- Creating and Consuming RESTful Services
- Using Templates
- The 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
- Data Sources
- How Node.JS connects to databases
- RDBMS databases and NoSQL databases
- Connecting to RDBMS and NoSQL databases

Modules covered under **MEAN Stack Training Program**

Module 3: ANGULAR JS

- Getting Started
 - Introduction
 - What is Angular ?
 - How Angular Works?
 - Difference between Angular and Other Framework
 - Advantages of AngularJS
- Typescript
 - What is typescript?
 - Compare typescript with Javascript
 - Data Types & Variables
 - Variable & Operators
 - Control Structure and Decision making & loops
 - Typescript Functions & Strings
 - Typescript Object
 - Class, Abstract Class
 - Constructor Method
 - Type of Assertion
 - Interfaces
- Application setup
 - Installing Angular JS
 - Configuration of Angular JS
 - Creating an Angular 2 project
 - Creating an Angular 2 project using CLI

Modules covered under **MEAN Stack Training Program**

- Node package manager
 - Setup & Commands
 - What is NPM
 - Install NPM for Angular
- Architecture
 - Module & Component
 - Template & Metadata
 - Data binding & Directive
 - Attribute Directive & Structural Directive
 - Services
 - Dependency Injection
- Angular UI design patterns
 - FlexBox
 - What is flexbox
 - How to design your user interface with flexbox model
 - Material Design
 - What is material design
 - How to use and setup material environment
 - Material components and layouts:
 - Material cards
 - Mat-Icons
 - Mat table
 - Bootstrap
 - How to install bootstrap in angular environment
 - Bootstrap layout and components

Modules covered under **MEAN Stack Training Program**

- Directives
 - Understanding Directives
 - Directives Overview
 - Different kinds of directives
 - Build attribute directive
 - Apply the attribute directive to an element in a template
 - Respond to user-initiated events
 - Pass value into the directive with an @Input data binding
 - Custom Attribute Directive
- Structural and Attribute Directive
 - What is structural directive?
 - NgIf case study
 - NgFor, NgSwitch
 - What is attribute Directives
 - Using the NgStyle Directive
 - Using the NgClass Directive
 - The element

Modules covered under **MEAN Stack Training Program**

- Service
 - What is service?
 - Create a service
 - Understanding Services Injecting Concepts
 - Async service and promise
 - Introduction to Observable
 - What is web service
 - how to create web service
 - how to consume rest service
 - posting data to client server architecture
 - Introduction to Material Design
 - Introduction to card Material Design
 - What is Json Server
 - Install json server and run and up into your local machine
 - crud operation using son server
- Dependency Injection
 - Why dependency injection?
 - Angular dependency injection
 - Injector provider
- Data Binding
 - Interpolation
 - Property, Event & Attribute binding
 - Class & Style binding
 - Multiple components & passing data

Modules covered under **MEAN Stack Training Program**

- Display data
 - Class Binding
 - Style Binding
 - Event Binding
 - Two-way Binding
 - Component Data Binding
 - Component Events
 - Ng-Model
- User input
 - Binding to user input events
 - Get user input from the \$event object
 - Get user input from a template reference variable
 - Key event filtering (with key.enter)
- Form
 - Types of Forms in Angular4
 - Introduction to Template Driven Forms
 - Validation of Template Driven Forms
 - Introduction Model Driven Forms
 - Validation of Model Driven Forms
 - Two way data binding using ngModel
 - Model Driven Forms With Form Builder
 - How to post data via a angular forms with rest service.

Modules covered under **MEAN Stack Training Program**

- Pipes
 - Introduction to Pipes
 - Why pipes are useful
 - Type of pipes
 - Built-in pipes
 - parametrized pipes
 - how to create custom pipes
- Router
 - Setting Up Router
 - Imperative Routing
 - Route Parameter
 - Child Routing
- What are the change in every version of angular
 - Difference and changes in various angular versions
 - Latest angular version and it's features

Modules covered under MEAN Stack Training Program

Module 4 : NODE JS

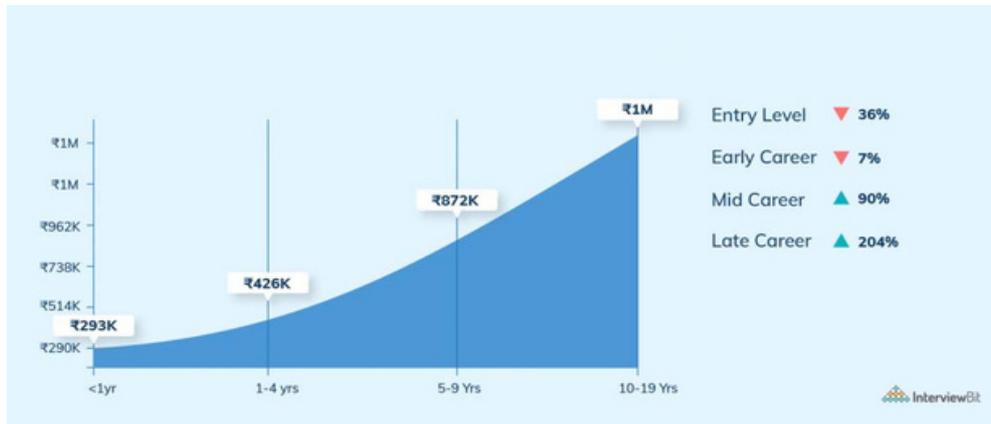
- Introduction to Node JS
 - Introduction & Foundation
 - Introduction to the Node JS framework
 - Installing NodeJS
 - Using NodeJS to execute scripts
 - The Node Package Manager
 - The package.json configuration file
 - Global vs local package installation
 - Automating tasks with Gulp
 - The HTTP protocol
 - Building an HTTP server
 - Rendering a response
 - Using Representational State Transfer
 - Express Framework
 - Connecting to Mongo databases
 - Performing CRUD operations
 - Using NodeJS to execute scripts
- NodeJS Projects
 - The Node Package Manager
 - NodeJS Creating a project
 - The package.json configuration file
 - Global vs local package installation
 - Automating tasks with Gulp
- HTTP
 - The HTTP protocol & Building a HTTP server
 - Rendering a response & Processing query strings
 - NodeJS using Representational State Transfer
 - Configuring TLS

Modules covered under **MEAN Stack Training Program**

Module 5: Projects And Interviews

- Covering all the concepts
- Project Work
- Resume Preparation
- Interview Question Preparation

Benefits as MEAN Stack Professional



Our Training Benefits as MEAN Stack Program

- Our complete training is constructed as per the current industry standard.
- Live Project & Industrial Based Training.
- One of the biggest team of Certified Expert & Competent Trainers.
- Easy to understand study material.
- Regular and Weekends classes for IT & Software training is provided.
- Interaction, analysis and case studies are an integral part of the training.
- Smart Labs with Real Latest Equipments.
- Students are free to access the labs for an unlimited number of hours
- Free Study Material, e-PDFs, Video Trainings, Sample Questions.
- Globally Recognized Course Completion Certificate.
- The ability to retake the class at no-charge as often as desired.
- One-on-One attention from instructors.
- Helps students to take knowledge of complex technical concepts.
- Post Training Support will help the students.
- Personality Development & Interview Preparation classes.
- 100% Job Assistance with dedicated training & placement team.



Join One of the Best MEAN Stack Training Institute in India

(In-Class & Live Online Training by Industry Experts)



5740+
Batches Completed



68806+
Students Trained



470+
Skilled Instructors



Our Latest Reviews



Hi All, I am Shilpa and i have done my Certification from TechVidya. The study environment is good and trainers are full of knowledge. I personally recommend TechVidya Institute to all the students who looking for quality education and sincere about there future.

I am grateful to TechVidya - both the faculty and the Training & Placement Department. They've made efforts ensuring maximum number of placed students. The Institute started grooming us for placements in the first few months including courses such as Professional Excellence Program and Professional Skills Enhancement. I suggest to join TechVidya which comes under top 10 IT & Software training institute.



Hi I am Amit Kumar and my Enrollment ID with TechVidya is TV230967. I completed my Certification from TechVidya. They provides IT & Software courses in more practical & real scenario basis. Complete project based training help me to sharpen my technical skills.

TechVidya has always believed in helping and guiding its students and it was no different during the placement time. Regular classes held to help us with our aptitude and technical skills. Recommend to all the students who looking for best computer classes with quality education. Thanks TechVidya for explore my career.



RECORD BREAKING PLACEMENTS 100% JOB PLACEMENT ASSISTANCE

MEET OUR PLACED STUDENTS



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Career Assistance Services



-  **Career Oriented Sessions**  Throughout the Course
-  **Resume & LinkedIn Profile Building**  After 70% of the Course Completion
-  **Mock Interview Preparation**  After 80% of the Course Completion

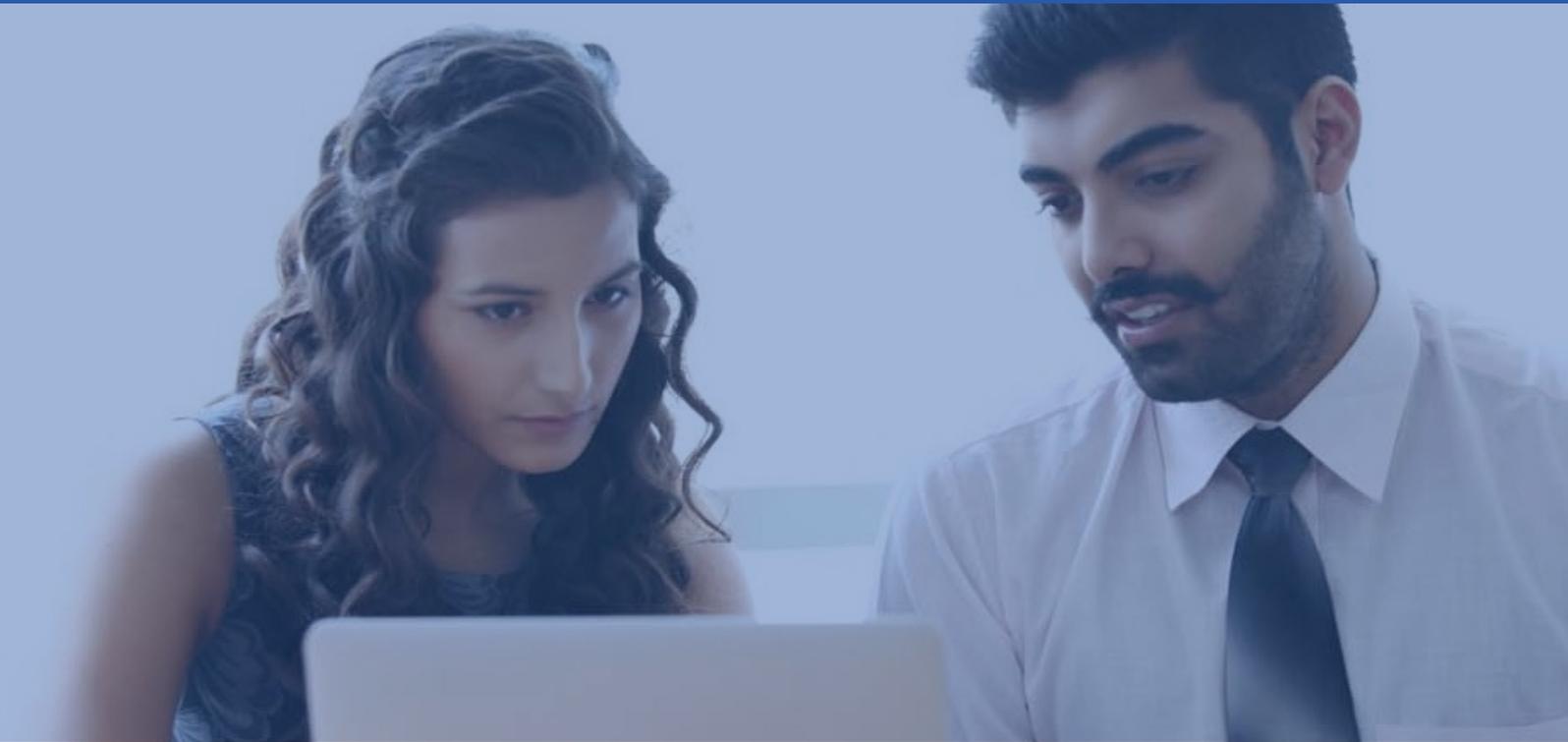
-  **1 on 1 Career Mentoring Sessions**  After 90% of the Course Completion
-  **Assured Interviews**  After 90% of the Course Completion
-  **1 Year Placement Assistance**  After 100% of the Course Completion





Our Top Placement Partners





TechVidya In News



08-Jan

ET Now- Startup Central

TIMESNOWNEWS.COM

22-Dec

What skills in demand & how should upgrade?

THE HINDU
BusinessLine

14-Nov

Turning executive education into class act

EducationTIMES
EST. ESTABLISHED

30-Sep

TechVidya Campaign
#StayUpdatedStayAhead

YOUR
STORY

02-Sep

How TechVidya enhance learning experience

THE ECONOMIC TIMES

16-Jun

The journey of an EduTech Company



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