

# Certified MEAN Stack Professional



# Certified MEAN Stack Professional

JavaScript libraries are emerging as the latest tools for web development. As a result, companies and startups are now looking for MEAN stack developers. With MEAN, you can now build an application that is completely written using JavaScript technologies from frontend to backend and also at the database level.

# Why should one take this certification?

This course will help you to build a real web application like Reddit. The course will also teach you how to apply MongoDB, Express, Angular, and Node.js in your web development projects.

At the end of the course, you will be a confident MEAN stack developer and will be able to build web applications.

# Who will benefit from taking this certification?

Job seekers looking for employment in various IT companies, PSUs or MNCs. Certification in MEAN Stack benefited IT Professionals, students across various Sectors.

# **Test Details**

Duration: 60 minutesNo. of questions: 50

• **Maximum marks:** 50, Passing marks: 25 (50%)

There is no negative marking in this module.

## Fee Structure

Rs. 3,999/- (Excludes taxes)\*

\*Fees may change without prior notice, please refer http://www.yskills.in for updated fees

## Companies that hire Vskills MEAN Stack Professionals

IT companies, MNCs hire MEAN Stack professionals for Web Development related taks. Companies employing MEAN Stack Developer include Capgemini, JP Morgan Chase, TCS, Wipro, Zensar, Accenture, Infor etc.

# Table of Contents

# Module 1

# 1. INSTALLATION AND SETUP

- 1.1 The Course Overview
- 1.2 Setup and Installation Node.js
- 1.3 Installing Angular CLI
- 1.4 Installing MongoDB

# 2. BUILDING USER INTERFACES WITH ANGULAR

- 2.1 Frontend and Single-Page Application
- 2.2 Generating an Angular Project
- 2.3 Project Structure Overview
- 2.4 Our First Angular Component
- 2.5 Templates
- 2.6 Events and Bindings
- 2.7 Custom Events and Bindings
- 2.8 Services
- 2.9 Two-Way Data Binding
- 2.10 Forms

# 3. BUILD SERVER-SIDE WITH NODE JS

- 3.1 Introduction to NodeJS
- 3.2 Hello NodeJS
- 3.3 Modules and Require
- 3.4 Creating a Module
- 3.5 NPM and External Modules
- 3.6 Synchronous versus Asynchronous
- 3.7 Creating an HTTP server

# 4. BUILDING APIS WITH EXPRESS

- 4.1 RESTful Services
- 4.2 Creating a Server
- 4.3 GET Method
- 4.4 Nodemon
- 4.5 POST Method
- 4.6 PUT Method
- 4.7 DELETE Method
- 4.8 Cleaning Up

# 5. MANAGING DATA WITH MONGODB

- 5.1 Installing Mongoose
- 5.2 Models
- 5.3 Create a Record
- 5.4 Get a Record
- 5.5 Edit a Record
- 5.6 Delete a Record

# 6. PUTTING IT ALL TOGETHER

- 6.1 Building the Frontend
- 6.2 Building the Backend
- 6.3 Connecting the API

# Module 2

# 7. SETUP AND INSTALLATION

- 7.1 The Course Overview
- 7.2 Installing Node.js
- 7.3 Installing Angular CLI
- 7.4 Installing MongoDB

# 8. REAL TIME CHAT APPLICATION

- 8.1 Project Setup
- 8.2 Building the Frontend
- 8.3 Building the Backend
- 8.4 WebSockets
- 8.5 Adding Socket.io
- 8.6 Custom Events
- 8.7 Adding Custom Events

# 9. LOGIN AUTHENTICATION SYSTEM - FRONTEND

- 9.1 Building the Frontend
- 9.2 Forms
- 9.3 Setting Up Routes
- 9.4 Protected Routes
- 9.5 Validations

# 10. LOGIN AUTHENTICATION SYSTEM - BACKEND

- 10.1 Creating the APIs
- 10.2 Password Encryption
- 10.3 Connecting the Frontend
- 10.4 JSON Web Tokens (JWT)
- 10.5 Adding JWT

# 11. E-COMMERCE APPLICATION - FRONTEND

- 11.1 Application Setup 11.2 Setting Up Routes 11.3 Building the Pages
- 11.4 Displaying Data
- 11.5 Adding a Shopping Cart
- 11.6 Checkout

# 12. E-COMMERCE APPLICATION - BACKEND

- 12.1 Setting Up the Server
- 12.2 Mock Product Data
- 12.3 Creating APIs
- 12.4 Checkout
- 12.5 Orders

# Certifications

# ➤ Accounting, Banking & Finance - Certified GST Professional

- Certified AML-KYC Compliance Officer
- Certified Business Accountant
- Certified BASEL III Professional
- Certified GAAP Accounting Standards Professional
- Certified Treasury Markets Professional

### ▶ Big Data

- Certified Hadoop and Mapreduce Professional

Cloud Computing
- Certified Cloud Computing Professional

### > Design

- Certified Interior Designer

### Digital Media

- Certified Social Media Marketing Professional
- Certified Inbound Marketing Professional
- Certified Digital Marketing Professional

### ▶ Foreign Trade

- Certified Export Import (Foreign Trade) Professional

### > Health, Nutrition and Well Being

- Certified Fitness Instructor

### > Hospitality

- Certified Restaurant Team Member (Hospitality)

### > Human Resources

- Certified HR Compensation Manager
- Certified HR Staffing Manager
- Certified Human Resources Manager
- Certified Performance Appraisal Manager

### > Office Skills

- Certified Data Entry Operator
- Certified Office Administrator

### ▶ Project Management

- Certified Master in Project Management
- Certified Scrum Specialist

### > Real Estate

- Certified Real Estate Consultant

➤ Marketing - Certified Marketing Manager

### > Quality

- Certified Six Sigma Green Belt Professional
- Certified Six Sigma Black Belt Professional
- Certified TQM Professional

### ▶ Logistics & Supply Chain Management

- Certified International Logistics Professional
- Certified Logistics & SCM Professional
- Certified Supply Chain Management Professional

### >Legal

- Certified IPR & Legal Manager
- Certified Labour Law Analyst
- Certified Business Law Analyst
- Certified Corporate Law Analyst

### ➤ Information Technology

- Certified Angular JS Professional
- Certified Basic Network Support Professional
- Certified Business Intelligence Professional
- Certified Core Java Developer
- Certified E-commerce Professional
- Certified IT Support Professional Certified PHP Professional
- Certified Selenium Professional

### Mobile Application Development

- Certified Android Apps Developer
- Certified iPhone Apps Developer

### > Security

- Certified Ethical Hacking and Security Professional
- Certified Network Security Professional

### **►**Management

- Certified Corporate Governance Professional
- Certified Corporate Social Responsibility Professional
- Certified Leadership Skills Professional

### ▶ Life Skills

- Certified Business Communication Specialist
- Certified Public Relations Officer

- Certified Advertising Manager
- Certified Advertising Sales Professional

### > Sales, BPO

- Certified Sales Manager
- Certified Telesales Executive

& many more job related certifications

Contact us at: V-Skills

011-473 44 723 or info@vskills.in

www.vskills.in