Akash® Technolabs

MERN STACK
Course Content

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Mern Stack

- MEAN stack is a user friendly JavaScript framework which is used to develop web applications.

- Mean stands for MongoDB, Express JS, Angular JS and Node.Js. Mean is an end- to –end Javascript used for cloud – ready applications.

Prerequisites

- Programming Fundamentals
- Html / Html5, Css / Css3
- JavaScript
- AJAX (Asynchronous JavaScript and XML)
- Reasonably good database skills.

Training from Industrial Experts

Hands on Practicals/ Projects

100% Placement Assistance

24 x 7 Expert Support
Free
Live Demo

Certification of Completion

We Provide

One To One Training	Developer Training	Faculty Training	Corporate Training	Onsite Training

Online Training	Weekend Training	Workshop	Seminar	Crash Course

Mern Stack Training Includes

- Theory & Practical Session

- Real-time Practice

- Exclusive Materials

- Course Completion Certificate

- Support

Introduction and Installation

- NodeJS Introduction
- NodeJS Installation
- NPM

Client - Server Architecture

- The Role of REST APIs
- 2.2.Benefits of the MERN Stack

NodeJS Basics

- Understanding the flow of request
- Working on responses and requests
- The Node Core(Callbacks and Error Handling)
- Modules(Understanding Node Modules)
- Exports and Require
- Events and the Event Emitter

Express Basics

- Hello World in Express
- Creating Routes and responding
- Sequencing Responses by routes.
- A Small REST API Example.
- Static Files and Middleware
- Structuring an App

MongoDB Introduction

- Set up mongodb
- Install Mongo Client
- Important MongoDB Queries
- Install mongoose for NodeJS
- Extending the REST API example
  to use databases

API Development with Express

- User API Routes & JWT Authentication
- Request & Body Validation
- Implementing JWT
- Custom Auth Middleware & JWT Verify
- User Authentication / Login Route

React Intro

- What is React? What problem does it solve?
- Introduction to Component based programming
- Virtual DOM
- Hello World in React
- JSX
- Rendering Elements
- Components and Props
- Class Components and Functional Components
- Project in React with what we have learned.

React State, Lifecycle and Events of a Component

- State Management
- Lifecycle Methods
- Event Handling
- Conditional Rendering
- Form Handling
- NPM and Package.json
- States Revisited
- Project using NPM as Package Manager

Redux, Axios, Redux Saga and React Router

- The Flux Architecture
- Connect API
- Provider API
- Dispatch methods.
- Axios and its usage with various REST Methods
  and Redux Saga
- React Router with Browser Router Dependency

Project

- A small application hands on development using MERN stack.
- Webpack 3
- Project would be done by putting all the above concepts
  together -MERNSTACK

Why To Join Us?

10+ Reasons To Join Akash Sir Training

1 Free Demo Class before Admission

2 Updated Courses & Customized Syllabus

3 One to One Training

4 Flexible Timings

5 Free & Exclusive Study Material

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8 Immense lab Practice

9 Easy Payment method

10 11+ Year Experience In Training

11 Live Project work

12 Interview Preparation

13 Placement Assistance

14 Course Certification

Our Reviews

Average Rating

★★★★★   **4.9**

JustDial   280 Reviews

Google   101 Reviews

Sulekha   51 Reviews

Global Presence Of Our Students

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FOR ANY DOUBTS OR QUESTIONS,
PLEASE FEEL FREE TO VISIT OUR OFFICE
OR CONTACT US ON GIVEN MAIL ID AND
CONTACT NUMBER

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