



About Us

Adacode Solutions excels in innovative software solutions, specializing in IoT, Robotics, Cloud, Data Science, and more. Trust us as your partner for cutting-edge solutions, shaping the future of technology.

We Provide

- ✓ **Scholarship for Students**
- ✓ **Education Loan**
- ✓ **Life time Placement Support**
- ✓ **Online and Offline Classes**
- ✓ **Life time Access to course Materials**

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more info



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Industrial Experts

We have industrial experts to teach you our courses.



100% Genuine Placements

We offer 100% placement support.



Interview Assistance

We offer interview preparation assistance with industry experts.



Collage Project Assistance

We provide college final year project assistance.



Aptitude Practice Sessions

We offer aptitude sessions for comprehensive skill development.



English Training

We provide English training for effective language proficiency.



Soft Skill Sessions

We offer soft skill sessions for holistic professional development.



3rd Floor, Four Wings Building
Panniyankara, Kozhikode



www.adacodesolutions.com



adacodesolutions@gmail.com

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Solutions

MERN STACK DEVELOPMENT

Who Should Join This Course

- ➡ Programmers aspiring to become Java full-stack developers
- ➡ Tech enthusiasts diving into comprehensive web development.
- ➡ Professionals expanding skills across Java-based full-stack applications.

Course Details

Duration: 6-8 Months

6 Modules

Unlimited Lab Access

Final Project

Project Certificates

Course Certificates

English Training Sessions

Monthly Mock Interview Sessions

IEEE Certified Projects

Course Content

- Introduction to Databases and MongoDB
- MongoDB Basics
- Advanced MongoDB
- Introduction to Node.js and NPM
- Advanced Express.js
- Final Project and Integration



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Solutions

MERN STACK DEVELOPMENT

Syllabus

Introduction to Databases and MongoDB

- Overview of databases
- Introduction to NoSQL databases
 - MongoDB installation and setup

MongoDB Basics

- CRUD operations in MongoDB
- Data modeling in MongoDB
 - Indexing and performance optimization

Advanced MongoDB

- Aggregation framework
- MongoDB Atlas (Cloud Database)
 - Data migration and backup strategies

Introduction to Node.js and NPM

- Node.js fundamentals
- Introduction to NPM and package management
- Building RESTful APIs with Express.js
- Setting up Express.js
- REST principles and CRUD operations
 - Middleware and error handling

Advanced Express.js

- Authentication and authorization
- Testing with Mocha and Chai
- Express.js best practices

- Introduction to React.js

- Overview of React.js
- Setting up a React app
- JSX and component structure

- State and Props

- Managing state in React
- Props and component communication
- React lifecycle methods

- Advanced React.js

- React Router for navigation
- State management with Context API or Redux
- Hooks and functional components

Final Project and Integration

- Integration and Full-Stack Development
- Integrating MongoDB, Express.js, and React.js
 - Building a full-stack MERN application
- Deployment strategies (Heroku, AWS, or others)