



MEAN AND MERN

Fast-track your career in the IT industry with our MEAN and MERN Course. You'll become an expert at the most Trending technologies.



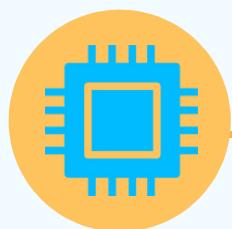
HIGHLIGHTS OF THE Learning Path

160+ Hours of Classes & Practical Sessions



Limited Students Batch

Career Service and Placement opportunity



Learn 3+ Technologies

Learn from Experts



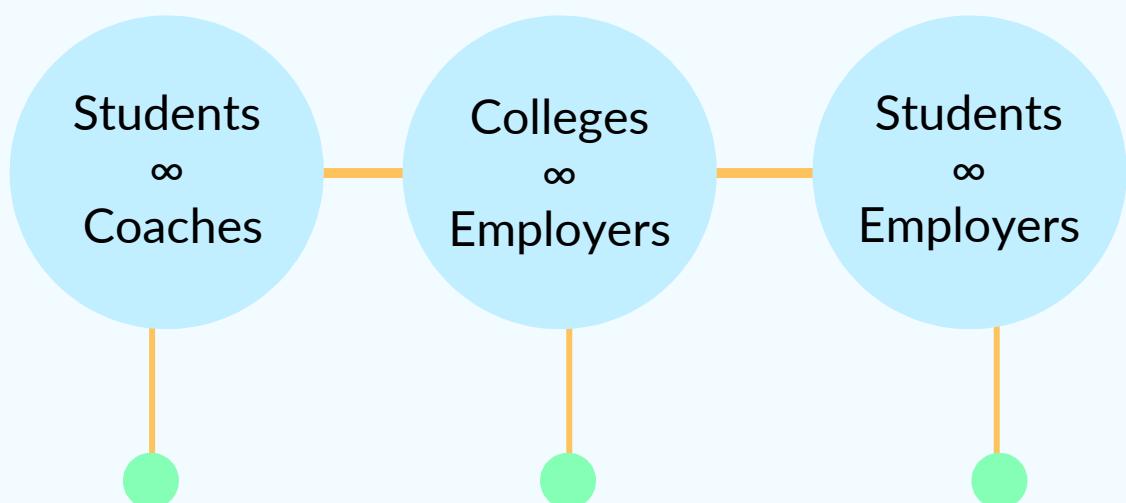
2000+ Certified Learners



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WHO ARE WE?

Adhyayan IT Training & Placement is a IT career platform for students and jobseekers enabled by personalized learning paths, career coaches and access to opportunities. Be it a career transition, your first job, campus placements preparation or any career guidance. Adhyayan is a one- stop solution to all your career needs.



Enable meaningful connections between students and coaches.

Coach and train college students and provide employers with business ready talent

Connect talent to the right opportunities.

BEST IT TRAINING & PLACEMENT CENTER IN PUNE



WHAT IS MEAN And MERN?

MEAN and MERN are top full-stack JavaScript frameworks. MEAN includes MongoDB, Express.js, Angular, Node.js; MERN swaps Angular with React.js. Both facilitate seamless web development with JavaScript throughout the stack, offering powerful tools for scalable and dynamic applications.

VIDEO EXPLANATION



CAMPUS TOUR OF ADHYAYAN



SALIENT FEATURES OF THE COURSE



160+ Hours of Intensive Learning



80+ Hours of Hands-on Practical Sessions



Career Services and Placement opportunity



Lifetime Access to Latest Content



Learn from the Industry Experts



24X7 Support through Discussion form



Career Support



Build your Softskills

WHO SHOULD TAKE THE COURSE?

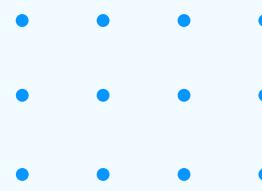
Any College Fresher Student, 0-2 Yrs Experience.
CODING BEGINNERS, IT DEVELOPERS

ABOUT THE COURSE

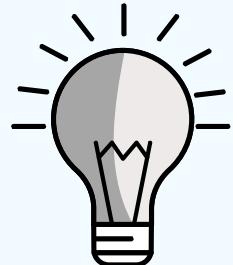


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WHY ADHYAYAN?



**Adhyayan IT
Training & Placement**

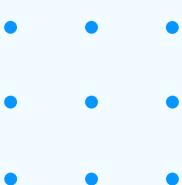


**Other
Classes**

More than 95%	Course Completion Rate	Less than 20%
Dedicated Placement Cell	Placement Services	No
Yes	Live Classes with Experts	No
Yes	Dedicated Student Mentor	No
Yes	1:1 Doubt Clearing Sessions	No
Yes	1:1 Placement Preparation	No
Yes	Live Projects	No
Yes	Continuous Mocks, Viva and Feedback Sessions	No
Yes	Personalised Course Structure	No
Yes	Industry Guest Lectures	No



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ABOUT THE COURSE

The MEAN stack, an acronym for MongoDB, Express.js, AngularJS (or Angular), and Node.js, is a powerful combination of technologies used for building dynamic web applications. MongoDB, a NoSQL database, offers flexibility and scalability for handling large volumes of data. Express.js, a minimalist web application framework for Node.js, provides a robust set of features for building web servers and APIs. AngularJS, although being replaced by Angular, is still widely used for creating dynamic front-end experiences with its two-way data binding and dependency injection features. Node.js, a runtime environment for executing JavaScript code server-side, completes the stack by enabling developers to use JavaScript for both client-side and server-side development, offering a seamless and efficient development experience.

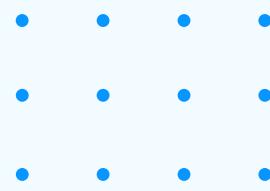
On the other hand, the MERN stack is similar to MEAN but replaces Angular with React.js, another popular JavaScript library for building user interfaces. MongoDB remains the database choice for its flexibility and scalability, while Express.js serves as the backend framework for handling HTTP requests and building RESTful APIs. React.js, known for its component-based architecture and virtual DOM, empowers developers to create interactive and reusable UI components efficiently. Node.js continues to provide the runtime environment for server-side JavaScript execution, ensuring consistency throughout the development process. Together, the MERN stack offers a modern and efficient solution for building full-stack web applications, leveraging the power of JavaScript across the entire development stack.

In both the MEAN and MERN stacks, students will learn how to integrate these technologies seamlessly to create responsive and scalable web applications. The curriculum typically covers topics such as setting up development environments, database management with MongoDB, building RESTful APIs with Express.js, front-end development using AngularJS or React.js, and deploying applications to production environments. Additionally, students will gain hands-on experience through practical exercises, projects, and real-world case studies, allowing them to develop the skills and expertise necessary for successful full-stack web development careers. Overall, the MEAN and MERN stack training programs equip students with the knowledge and tools needed to thrive in today's competitive IT industry.



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WHAT WILL YOU LEARN



CURRICULUM

1] HTML5 0

- **Introduction**
- **Basic Formatting Tags**
- **Div and Span tag**
- **HTML Lists**
- **Images**
- **Hyperlink**
- **Table**
- **Iframe**
- **Form**
- **MINI PROJECT - 1**



2] CSS3

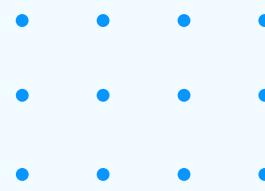
- **Introduction**
- **Syntax**
- **Selectors**
- **Background Properties**
- **Text Fonts**
- **Style Tables**
- **Box Model**
- **Display Positioning**
- **FLOATS**
- **Flex**



- **MINI PROJECT - 2**



WHAT WILL YOU LEARN



CURRICULUM

3] JavaScript:

- **Introduction**
- **JS in HTML**
- **HTML DOM (Document Object Model)**
- **JS Console**
- **JS var keyword**
- **Arrays**
- **JS Objects**
- **JS Functions**
- **JS dialog boxes**
- **HTML Attributes etc.**

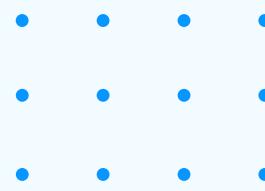


4] Advance JavaScript:

- **Variable Hoisting in JavaScript**
- **Lexical Scope and Scope chain**
- **let & const keyword**
- **Arrow function**
- **Find, Filter & Map function**
- **String & Template literals**
- **Event in JS**
- **Create Method in Javascript**
- **MINI PROJECT - 3**
- **MINI PROJECT - 4**



WHAT WILL YOU LEARN



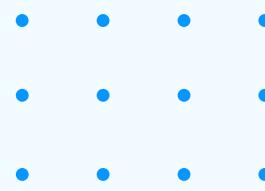
CURRICULUM

5] Bootstrap:

- **Introduction of Responsive Bootstrap**
 - **Introducing Bootstrap**
 - **Creating a Simple Page**
 - **Enhancing the Page**
- **Responsive Layouts with the Bootstrap Grid**
 - **Introducing of Grid**
 - **How the Bootstrap Grid Works**
 - **Layout in Bootstrap**
 - **Styling Content**
- **Using Bootstrap Components**
 - **Building a Navbar**
 - **Adding Buttons and Button Groups**
 - **Horizontal Nav and Dropdown Buttons**
 - **Displaying Content with Cards**
 - **Building the List Group**
- **Building Forms with Bootstrap**
 - **Form Groups and Form Controls**
 - **Custom Form Controls for Cross-Browser Consistency**
 - **Structured Form Layouts with the Grid**
 - **Adding Validation Styles**



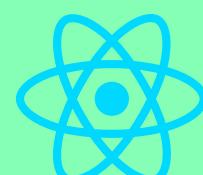
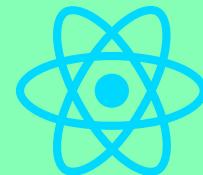
WHAT WILL YOU LEARN



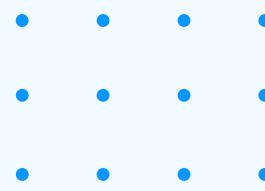
CURRICULUM

6] React JS :

- **React JS Introduction**
- **Advantages of scripting languages**
- **Features, Advantages & Limitations of React JS**
- **Setting up Environment**
- **Module Import - Export**
- **JSX in Depth**
- **Babel compiler in React JS**
- **Components in React JS**
 - **Functional Components**
 - **Class Based Components**
- **Props in React JS**
- **Fragments in React JS**
- **Bootstrap in React JS**
- **React Conditional Rendering**
- **API Call in React**
- **Hooks in React JS**
- **Context in React JS**
- **Form in React JS**
- **React Router**
- **MINI PROJECT - 5**



WHAT WILL YOU LEARN



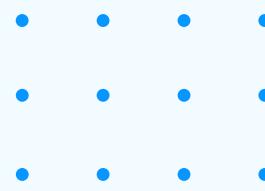
CURRICULUM

7] Node JS :

- **Introduction to Node JS**
 - **Introduction**
 - **What is Node JS?**
 - **Advantages of Node JS**
 - **Node.js Process Model**
- **Setup Dev Environment**
 - **Install Node.js on Windows**
 - **Installing in mac os**
 - **Working in REPL**
 - **Node JS Console**
- **Node JS Modules**
 - **Functions**
 - **Buffer**
 - **Module**
 - **Module Types**
 - **Core Modules**
 - **Local Modules**
- **Node Package Manager**
 - **What is NPM**
 - **Installing Packages Locally**
 - **Adding dependency in package.json**
 - **Installing packages globally**
 - **Updating packages**



WHAT WILL YOU LEARN

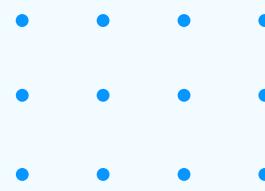


CURRICULUM

- **Creating Web server**
 - **Creating web server**
 - **Handling http requests**
 - **Sending requests**
- **File System**
 - **Fs read File**
 - **Writing a File**
 - **Writing a file asynchronously**
 - **Opening a file**
 - **Deleting a file**
- **Debugging Node JS Application**
 - **Core Node JS debugger**
 - **Debugging with Visual Studio**
- **Database connectivity**
 - **Connection string**
 - **Configuring**
 - **Working with select command**
 - **Updating records**
 - **Deleting records**



WHAT WILL YOU LEARN



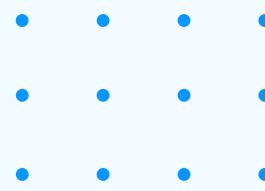
CURRICULUM

8] Express.js :

- **Introduction to Express.js**
 - What is Express.js and its role in web development
 - Setting up a basic Express.js application
- **Routing**
 - Handling different HTTP methods (GET, POST, PUT, DELETE, etc.)
 - Creating routes using Express's routing system
 - Route parameters and query strings
 - Route middleware for pre-processing requests
- **Middleware**
 - Understanding middleware and its role in the request-response cycle
 - Writing custom middleware functions
 - Built-in middleware like express.json(), express.urlencoded(), etc
- **Static File Assets**
 - Serving static files like CSS, html, and client-side JavaScript
 - Using express.static() middleware



WHAT WILL YOU LEARN



CURRICULUM

- **Database Integration**
 - Connecting to databases (MongoDB, MySQL, etc.)
 - Performing CRUD operations using middleware and route handlers
- **RESTful API**
 - Designing RESTful APIs using Express
 - Creating routes for API endpoints
 - Handling JSON data and responding with JSON

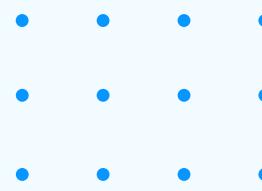


9] MongoDB :

- **Introduction to MongoDB**
 - What is MongoDB and its features?
 - Comparison with relational databases
- **Setting Up the MongoDB**
 - install MongoDB locally
 - Start MongoDB
 - MongoDB Help
 - MongoDB Statistic
- **Data Modeling**
 - Designing schemas for NoSQL databases
 - Understanding embedded documents and references
 - Indexing and its importance



WHAT WILL YOU LEARN



CURRICULUM

- **Operation**
 - **CRUD operations (Create, Read, Update, Delete) in MongoDB**
 - **Working with documents and collections**
 - **Querying data using the MongoDB Query Language (MQL)**
- **Database Connectivity**
 - **Overview of MongoDB drivers for various programming languages**
 - **Connecting and interacting with MongoDB using drivers**

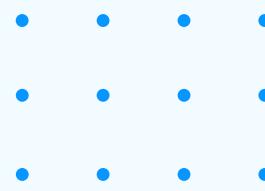


10] Git and Github :

- **Introduction**
 - **What is a Version Control System (VCS)?**
 - **Distributed vs Non-distributed VCS**
 - **What is Git and where did it come from?**
- **Installation and Configuration**
 - **Obtaining Git**
 - **Installing Git**
 - **Common configuration options □ GUI tools**
- **Key Terminology**
 - **Clone**
 - **Working Tree**



WHAT WILL YOU LEARN



CURRICULUM

- **Checkout**
- **Commit**
- **Add**
- **Push**
- **Pull**
- **Git - Local Repository Actions**
 - **Creating a repository (git init)**
 - **Checking status (git status)**
 - **Adding files to a repository (git add)**
 - **Committing files (git commit)**
 - **Removing committed files (git rm)**
 - **Checking logs (git log)**
- **Git - Remote Repository Actions**
 - **Creating a remote repository (git init)**
 - **Cloning repositories (git clone)**
 - **Updating the remote repository from the local (git push)**
 - **Updating the local repository from the remote (git pull)**



11] Capstone Project



We provide 1:1 placement coaching in a series of sessions



Role Clarity

Knowledge Check

Project Assignment

Project evaluation and Development

Resume Building

Mock Interview



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OUR COACHES



Vaibhav Sir
Python, Django,
Data Science, ML



Girish Sir
Core Java, Database,
JDBC, Hibernate



Ajinkya Sir
Core Java, Advance
Java, Spring, JDK8



Mayur Sir
HTML,CSS,JS,
React, Node JS



Akriti Ma'am
HTML,CSS,JS, Angular,
Ruby on Rails

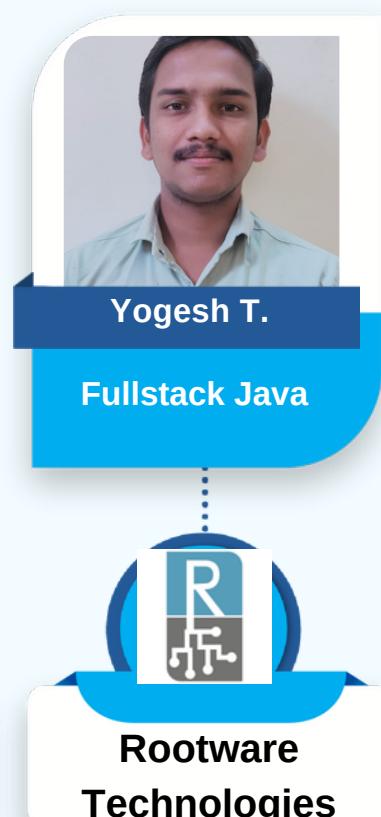
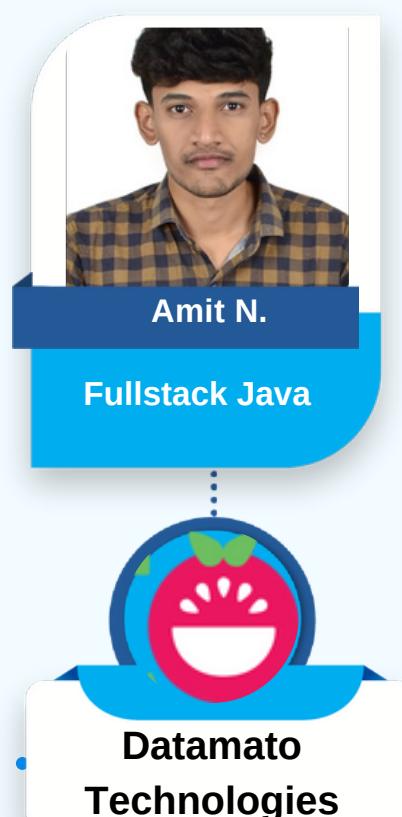
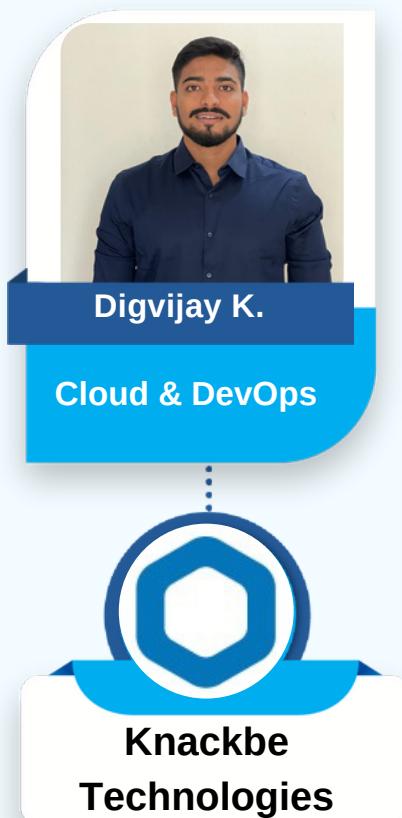


Deepika Ma'am
C, C++, Core java,
Advance Java

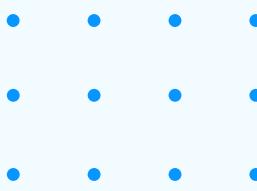


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CAREER TRANSITION OF ADHYAYAN LEARNERS



WHAT OUR CERTIFIED STUDENTS SAY ABOUT OUR COURSE?



Abhishek Wakde

I am learning data science from this institute. Genuinely, class teacher as well as his teaching skills are amazing, easy to understand. Staff and teacher is so friendly and supportive. It provides online as well as offline classes.



Parag Joshi

The course was well organised, clear and easy to follow and the instructor was very knowledgeable with excellent presentation skills." "The instructor did a great job in covering the course material. His personality was lively and encouraged engagement from all students." Software testing course was explained In details with live project.



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WHAT OUR CERTIFIED STUDENTS SAY ABOUT OUR COURSE?



Pramod Marathe

If I am share My experience with the Adhyayan IT Training And Placement institute, including aspects like the quality of instruction, practical application of skills, and any support provided by the trainer. It was great Experience here As a Student.



Sejal Thombre

I'm doing full stack python course at Adhyayn IT Training and Placement. This is best place for learning programming languages. Teacher here is excellent... plus point of this class is he cover each topic deeply and repeatedly and explain practically and also help to increase student confidence and build logical thinking for program.



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CERTIFICATES



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POTENTIAL RECRUITERS



KnackBe
Making your ideas happen!



INFERYX



TATA
ELXSI



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