TechnoScripts

GET TRAINED

BECOME EXPERT AND GET PLACED

100% JOB ORIENTED ADVANCE EMBEDDED COURSES

SCAN & CONNECT

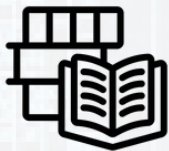**Office No. 86-89, 5th floor, C-Wing Shreenath Plaza, Dyaneshwar Paduka Chowk, FC Road, Pune 411005**

Mobile: 8605006788 | Gmail: technoscriptspune@gmail.com

www.technoscripts.in

ABOUT US

TechnoScripts is an ISO 9001:2015 certified best training institute for advance courses in Embedded System. We are pioneer of Embedded System training in Pune development. Though we provide many different courses and training in embedded all aim at giving good practical knowledge to students as well help them in career

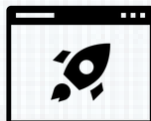# OUR FEATURES

STUDY MATERIAL

ISO 9001:2015 CERTIFIED

100% PLACEMENT SUPPORT

COURSE COMPLETION CERTIFICATE

INTERVIEW PREPERATION

LIVE PROJECTS

STATE OF THE ART LABS

LEARN ONLINE / CLASSROOM

OUR COURSES

Advance Career Track

Automotive Embedded

PG Diploma in Embedded

MATLAB Simulink

MBD Training

IOT Training

Autosar Training

LIVE PROJECTS | INTERVIEW PREPERATION | MOCK INTERVIEWS

CONTACT US FOR DEMO NOW

COURSE SYLLABUS : FULL STACK TRAINING

Module 1: Introduction to MEAN & MERN Stack
Get introduced to the full-stack landscape, exploring the architecture of MEAN (MongoDB, Express.js, Angular, Node.js) and MERN (MongoDB, Express.js, React, Node.js), along with the required tool setup for development.

Module 2: HTML and CSS Basics
Learn to build responsive web pages using semantic HTML and modern CSS layouts like Flexbox and Grid.

Module 3: JavaScript Fundamentals
Understand JavaScript basics including variables, data types, functions, and control structures to build dynamic behavior in web pages.

Module 4: Advanced JavaScript
Dive into DOM manipulation, event handling, and asynchronous JavaScript using promises, async/await, and Fetch API.

Module 5: Node.js
Explore server-side JavaScript by building a basic HTTP server and performing file operations using Node.js and npm.

Module 6: Express.js Basics
Develop lightweight server applications using Express.js by setting up routes, middleware, and static file serving.

Module 7: MongoDB Basics
Gain hands-on experience with MongoDB by performing CRUD operations on NoSQL collections and documents.

Module 8: Integrating MongoDB with Node.js
Use Mongoose to connect Node.js to MongoDB, define schemas, and implement database-driven server-side logic.

Module 9: REST API Development
Build RESTful APIs using Express.js, applying HTTP methods and creating endpoints for CRUD operations.

Module 10: Authentication and Authorization
Implement secure user login/signup features using JWT, bcrypt for password hashing, and middleware for route protection.

Module 11: React Basics (MERN Stack)
Learn to build dynamic front-end applications using React's component-based architecture and the useState hook.

Module 12: React Advanced Concepts
Master routing with React Router, global state management with Redux, and styling techniques using Tailwind CSS.

Module 13: Angular Basics (MEAN Stack)
Get started with Angular by learning its core structure, components, directives, and two-way data binding.

Module 14: Angular Advanced Concepts
Explore advanced Angular features including routing, dependency injection, reactive forms, and RxJS observables.

Module 15: Front-End and Back-End Integration
Connect your front-end (React/Angular) with Express APIs using Fetch or Axios while handling responses and CORS issues.

Module 16: State Management in React
Implement complex state logic using Redux and Context API to manage data across large React applications.

Module 17: State Management in Angular
Utilize services and NgRx to manage state reactively and optimize Angular app performance with observables.

Module 18: Testing in MEAN/MERN
Learn unit, integration, and end-to-end testing using tools like Jest, Supertest, and Cypress for full-stack apps.

Module 19: Web Security
Secure your applications by addressing XSS, CSRF, input validation, and using tools like Helmet and environment variables.

Module 20: Performance Optimization
Enhance both front-end and back-end performance using lazy loading, caching, indexing, and analysis tools like Lighthouse.

Module 21: Version Control with Git
Master collaborative development by using Git and GitHub to manage code versions, branches, and pull requests.

Module 22: Build Tools and Bundlers
Understand and configure build tools like Webpack, Vite, and Babel to bundle and optimize modern JavaScript code.

Module 23: Deployment to Cloud
Deploy full-stack applications on platforms like AWS, Heroku, and Vercel with domain and SSL configurations.

Module 24: Containerization with Docker
Containerize your applications using Docker and deploy multi-container setups using Docker Compose and cloud services.

Module 25: CI/CD Pipelines
Automate your workflow using GitHub Actions or CircleCI to build, test, and deploy code efficiently.

Module 26: Real-Time Applications
Build real-time features like chat systems using WebSockets and Socket.IO integrated with Node.js servers.

Module 27: Industry Applications
Work on real-world application features for domains like e-commerce, social platforms, and CMS with practical case studies.
orld project that includes development, testing, deployment, and final presentation to evaluators.

PLACEMENTS

We provide 100% placement support to every student enrolled for Job oriented courses. We invite top companies for campus interview at our centre as well arrange the interviews for students at company premises.

OUR ALUMNIES ARE PLACED AT

KPIT   SANEPAR   Atos   tcs TATA CONSULTANCY SERVICES   HARMAN

Lenovo   UNISOUL   HCL   American Megatrends   Cummins

innovita   BOSCH   SIEMENS   SAMSUNG   Deloitte.

KNORR BREMSE   Honeywell   Tech Mahindra   HITACHI   suntel

Onward TECHNOLOGIES   TATA ELXSI   AVIN SYSTEMS   RENU ELECTRONICS PVT. LTD.   JOHN DEERE

e infotech Solutions   KALYANI   Qualcomm   Valeo   ASUS

Whirlpool CORPORATION   FORBES MARSHALL   SEDEMAC

SCAN & GET A GLIMPSE.
OUR PLACED STUDENTS.