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Course: Node JS

Duration: 60 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

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- Web Design, Javascript
- Angular JS, React JS
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- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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Module 1: Introduction to Node.js

- * What is Node.js
- * Features of Node.js
- * Concept
- * Where to fit and not fit
- * Event-Driven programming style
- * What is Asynchronous

Module 2: Installation / Setup

- * Local environment setup
- * Node.js runtime
- * Download source code
- * Installation on OS
- * Verify

Module 3: Node Package Manager


Install module by NPM


- * Global vs Local setup
- * Update Module
- * CRUD Module

Module 4: Express Framework

- * What is Express
- * Setup Express
- * Request And Response
- * Handling Routes

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- * Route Middleware
- * Objects
- * Cookies Management
- * File upload
- * HTTP methods

Module 5: Buffers and Streams

- * What is buffers and Streams
- * Benefit of Streams over buffers
- * Create / Write / Read operation on Buffers
- * Process on Buffers
- * Read / Write data by Streams
- * Pipeline
- * Chaining Stream

Module 7: REST API

- * RESTful Architecture
- * HTTP URI and Methods
- * RESTful web services
- * Expose solution as API
- * Best practice for REST API solution

Module 8: Callback

- * What is Callback
- * Benefit of Callback

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- * Asynchronous communications
- * Block and Non-Blocking
- * Standard Callback pattern
- * Async Flow control Library
- * Executing in parallel


Module 9: Events


- * What is Events
- * Events types
- * Event Emitter API
- * Multiple event listeners
- * Event emitter pattern
- * Class methods
- * Event Loop
- * Blocking Event Loop
- * Escaping Event Loop

Module 10: Connecting with Database

- * Introduction of MySQL
- * Connect with MySQL
- * Introduction of MongoDB
- * Features of MongoDB
- * Connect with MongoDB
- * Defining a schema

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- * Defining a Model

Module 11: External Processes and Services

- * What is processes
- * Spawning Child process
- * Create and kill processes
- * Building with HTTP Servers
- * HTTP requests
- * Secure HTTP Server

Module 12: External Processes and Services

- * Using Test Runner
- * Using Assertion Testing Module
- * Built-in Debugger
- * Console log
- * Node Inspector

(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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