TechnoMaster

Node JS

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

TRAINING BY INDUSTRY EXPERTS

Since 2007, Nestsoft TechnoMaster has been providing training and internships in IT technologies, both online and offline. We have given internships, training, and seminars to more than 25,000 students and achieved more success stories. **We offer 100% placement support through JobsNEAR.in**

ALL IT Courses

- Python Full Courses
- Digital Marketing
- Php/MySQL
- Laravel
- Asp.net MVC
- Flutter
- Android, Java, IOS
- Wordpress
- Software Testing
- Web Design
- Angular JS
- React JS
- CCNA, MCSA
- AWS, GCP, Azure
- ODOO, Fortinet
- Ethical Hacking

Syllabus Contd..

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Syllabus
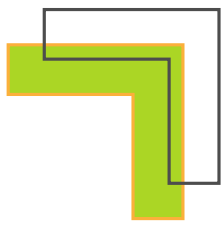
Module 1: Introduction to Node.js

* 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

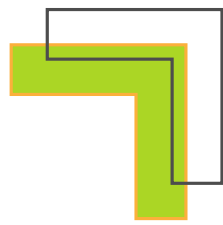* Global vs Local setup

Update Module

CRUD Module

Module 4: Express Framework

* What is Express

* Setup Express

* Request And Response

* Handling Routes

* 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

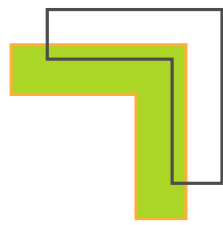### Module 8: Callback

* 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
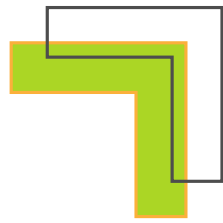* Event Loop
* Blocking Event Loop
* Escaping Event Loop

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 Severs
* 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