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Email ID – [a1projecttraining@gmail.com](mailto:a1projecttraining@gmail.com)

# NODE JS SYLLABUS

By [A1Training\(PT\)](#)

Course Name	Node js
Category	Javascript
Mode Of Classes	Online/Offline
Demo Classes	At Your Convenience
Training Methodology	20% Theory & 80% Practical
Course Duration	30-35 Hours
Class Availability	Weekdays & Weekends

For Demo Class

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## Why A1Training?

- Training by highly experienced and certified professionals
- No slideshow (PPT) training, fully Hand-on training
- Interactive session with interview QA's
- Real-time projects scenarios & Certification Help
- Most competitive & affordable course fees
- Placement support for all courses
- List of established & satisfied clients & students ([Visit our website for reviews](#)).



## Node JavaScript

- Introduction
- What is Node JavaScript
- Advantage of Node JavaScript
- New Web Server Model
- Process Model in Node JavaScript

## Environment Setup

- Install Node JavaScript on Window
- Install Node JavaScript on Linux
- Installing on Mac Machine OS
- How to Use REPL
- How to check Node Console

## Modules

- Function
- Buffer
- Modules Types
- Module
- Local Modules
- Export Modules
- Core Modules

## Node Packages Manager

- What is NPM
- How to install packages through npm
- How to add dependency in package json
- How to Install package globally
- Update Package using npm

## Web Server

- How to Create web server
- How to handle http request
- Sending Request
- Working on Request and Response
- Error Handling

## File System

- What is Fs in node JavaScript
- Read Files
- Write Files
- Write Files asynchronously
- Update Files
- Delete Files
- Open a Files
- Other Operation
- Error handling with File Handling
- Read HTML Files, JSON Files, XML Files and other with Node

## Application Debugging

- How to Debug node.js code
- Debug with Visual Studio

## Events

- Error Events



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- Classes with EventEmitter
- Asynchronous vs. Synchronous
- Passing Argument in this listener
- Inhering Events
- Return Emitter

### Express JavaScript

- How to use Express Framework
- How to Configuring Routes in Application
- Create Web Application with Express

### Database Connectivity

- Data Base Connectivity
- Configuration of Database
- Select Query in Database
- Update records with Query
- Delete records with Query
- Insert records with Query
- String Connectivity

### JSON

- Working with JSON
- DataStructure in JSON
- Fetch data with JSON in node.js
- JSON.Stringfy and JSON.parse data

### MYSQL

- Create Database
- Create Table in Database
- Insert
- Select
- Order By
- Limit
- Drop Table
- Update
- Left Join
- Right Join
- Select From

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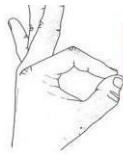
### MONGO DB

- Create Database
- Create Collection
- Insert
- Select
- Find
- Limit
- Drop Collection
- Update
- Left Join
- Right Join
- Select From

### Static Resources

- How to Work with Static Files
- Working with middleware

### Template Engine



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- What is Template Engine
- What is Jade
- Why Vash



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