

**Instructor
Notes:**



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Course Goals and Non Goals



- Course Goals
 - Learning the fundamentals of Node with Mongo Db.
- Course Non Goals
 - Creating C++ modules for Node
 - Executing the code in Mac OS, Linux / Unix



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Pre-requisites



- HTML, JavaScript-OOPS & jQuery Basics

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Intended Audience

- Web application developers



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Day Wise Schedule



- Day 1
 - Node Lesson 01 : Getting started with Node.js
 - Node Lesson 02 : Module Introduction
- Day 2
 - Node Lesson 02 : Module Introduction
 - Node Lesson 03 : Database and Session Handling
- Day 3
 - Express Lesson 01: Introduction of ExpressJs
 - Express Lesson 02: Templating Engines
 - Express Lesson 03:Working with Express.js

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Table of Contents



- Lesson 01 : Getting started with Node.js
 - JavaScript Essentials
 - How JavaScript works
 - Event loop
 - Stack, Heap and Queue
 - Node.js Fundamentals
 - Introduction to Node.js
 - Why Node.js?
 - Traditional Programming Limitations
 - Creating more call stacks
 - Event-Driven Programming
 - Node.js Official website
 - Downloading and Installing Node.js
 - Node.js Globals

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- Lesson 02 : Module Introduction
 - Working with Modules
 - Modules in Node.js
 - Loading a module
 - package.json usage
 - Creating package.json
 - Node Package Manager
 - Loading a third party module (installed via NPM)
 - Creating and exporting a module
 - Working with Buffers
 - Buffers in Node

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References



➤ <https://nodejs.org/en/docs/>



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Next Step Courses (if applicable)



- Creating Web application using MEAN (MongoDB, ExpressJS, Angular) Stack

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