

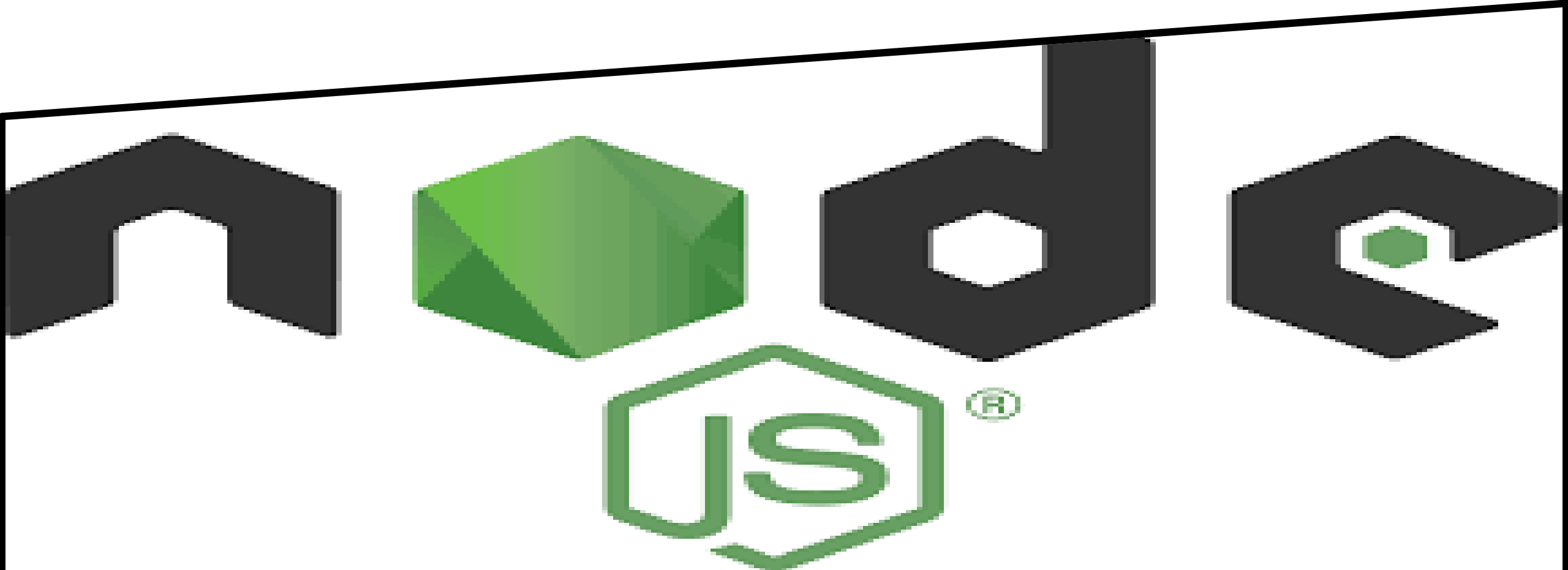


**WISDOMTRIBES**

ALL IN ONE SOLUTION

# NodeJS Course

- WISDOMTRIBES
- Website: [www.wisdomtribes.com](http://www.wisdomtribes.com)
- [Mail: wisdomtribes23@gmail.com](mailto:wisdomtribes23@gmail.com)
- Contact-7667768204/9693167469



# NodeJS Course Overview

## Training Course Duration

- Normal Track: 60 Working days, daily 1.30 Hours
- Fast Track: 45 Working days, daily 2.00 Hour

## Training Course Prerequisites

- [JavaScript](#)
- HTML

## Who should do the course?

- FullStack Developers
- Project Managers
- Those who are willing to learn and build their career in web developmen.

# NodeJS Training Content

## Introduction to Node.js

- RAM vs. I/O latency
- Blocking vs. Non-Blocking
- Event-driven Programming
- Event Loop
- Blocking The Event Loop
- Node.js Philosophy

## Node.js Platform Setup

- Download and Install
- Node REPL
- First Hello World

## Modules and npm

- Anatomy of a module
- Private code
- Accessing and using modules
- npm commands
- package.json

## The Callback Pattern

- What are callbacks
- Callback-last
- Error-first

## Events

- When to use Event Emitters
- Binding Functions to Events
- Event Requests and Listening

## **Error Handling**

- Callbacks: Error-first
- Errors in Event Emitters
- Uncaught Exceptions
- Using Domains

## **Buffers**

- Why Buffers exist
- Creating Buffers
- Reading and Writing Buffers
- Manipulating Buffers

## **Streams**

- What are streams
- Read and Write Stream API
- Flow Control
- Piping
- Duplex Stream
- Transform Stream

## **Express.js**

- Intro and Installing Express.js
- Building a Hello Express application
- Creating routes
- Rendering Layouts
- Using templates
- Adding partials
- Using locals and conditional templates
- Modularizing routes

## **Socket.io**

- Listening for
- Broadcasting
- Answering questions

## **Connecting to Databases**

- No SQL and Document Stores
- Relational DBs
- Configuration and platform setup
- CRUD Operations