



Node JS

Course Content

Node JS

- It is an open source, cross platform runtime environment which is used to develop networking and server side applications.
- Node Js brings an amazing event driven programming that enables development of fast web servers in JavaScript.

Prerequisites to Learn Node JS

- Basics of programming fundamentals
- Strong knowledge on JavaScript
- OOPS fundamentals



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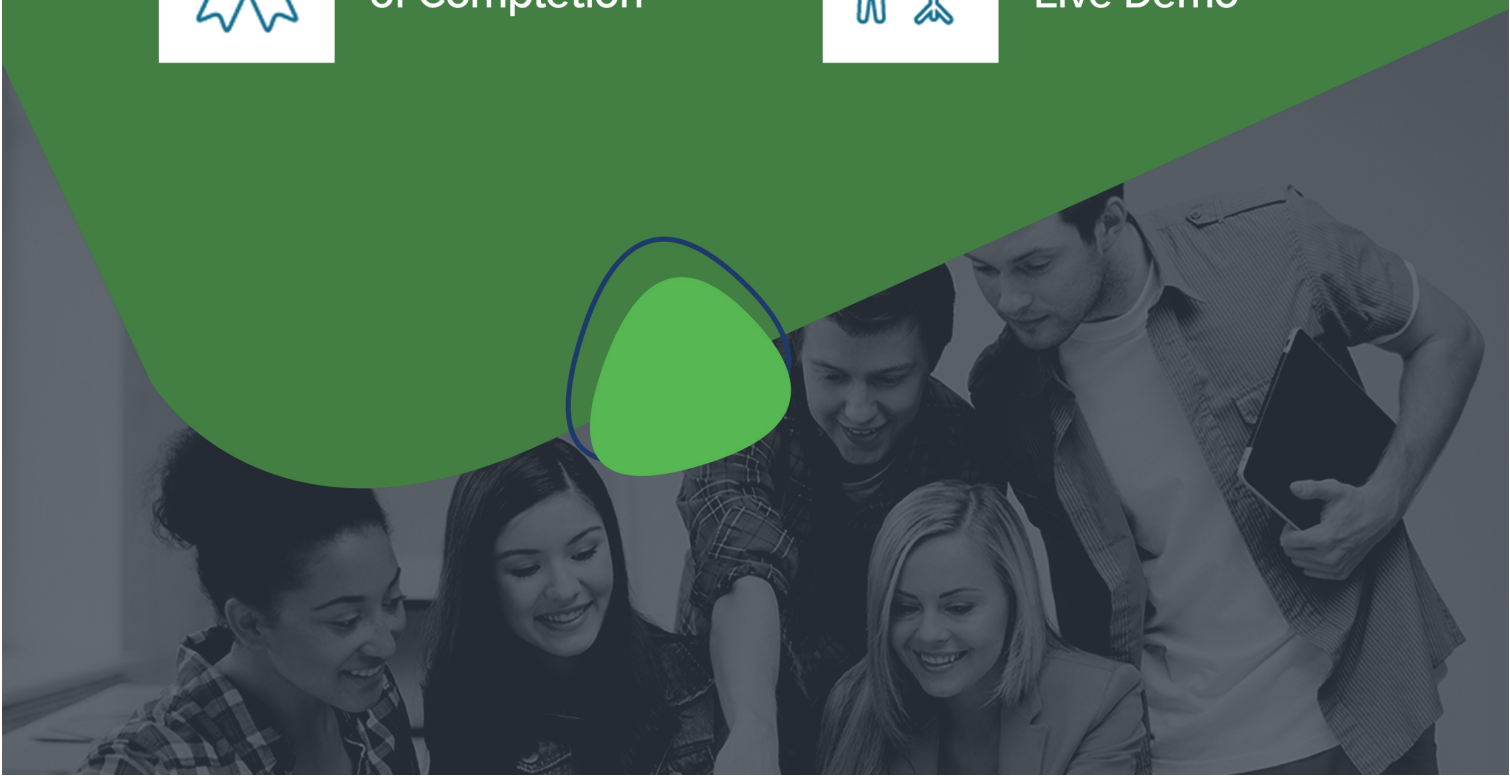
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Node JS Training Includes

- Theory & Practical Session
- Real-time Practice
- Exclusive Materials
- Course Completion Certificate
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Introduction to Node js

- ✓ Advantages & Features
- ✓ Environment Setup
- ✓ Visual Studio Code Tour
- ✓ Hello World
- ✓ Node REPL

Work with HTTP

- ✓ Http Module
- ✓ Create Server
- ✓ Render Response
- ✓ Read HTML file Server
- ✓ Routing
- ✓ JSON Response
- ✓ Get Post Form

Module

- ✓ How to Use Module
- ✓ Types of Module
- ✓ Core Module
- ✓ Local Modules
- ✓ Module.exports

Core Module

- ✓ http
- ✓ url
- ✓ querystring
- ✓ path
- ✓ fs
- ✓ utli
- ✓ os

File System

- ✓ Create File
- ✓ Read File
- ✓ Append File
- ✓ Delete File
- ✓ Rename File

Events

- ✓ Event Emitter
- ✓ Create Events

NPM

- ✓ Node Package Manager
- ✓ Package.json Configuration
- ✓ Global vs. local package installation
- ✓ Npm command

Npmjs

- ✓ Nodemon
- ✓ NodeMailer
- ✓ Upper-case



Introduction Express JS

- ✓ What is Express?
- ✓ What is MVC?
- ✓ Download and Install

NPM

- ✓ Introduction
- ✓ Package.json
- ✓ Package Download
- ✓ Npm Command

Web Server

- ✓ Create Server
- ✓ HelloWorld
- ✓ Routing
- ✓ Express Middleware
- ✓ Nodemon
- ✓ Static file Load

Express Generator

- ✓ Setup
- ✓ Create New Project
- ✓ Directory Structure
- ✓ Hello World

Routes

- ✓ Define Routes
- ✓ Handling routes
- ✓ Render views
- ✓ Http methods
- ✓ Routing with parameter

Template Engine (Views)

- ✓ Ejs template engine
- ✓ Handle bars
- ✓ Layout Extends

User Input

- ✓ Retrieving Input
- ✓ Get Post Method
- ✓ Validation
- ✓ File Upload
- ✓ Mail Send

Session Cookie

- ✓ Accessing Data
- ✓ Storing Data
- ✓ Deleting Data

Database

- ✓ Connection
- ✓ Create
- ✓ Read
- ✓ Update
- ✓ Delete
- ✓ Authentication

Rest API

- ✓ API Introduction
- ✓ Postman tool
- ✓ CRUD Operation
- ✓ Npm core

Mini Project

- ✓ Development
- ✓ Deployment
- ✓ Certificate





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