

# Deccansoft Software Services

(A Microsoft Learning Partner)

## Node JS Syllabus

### Module 1:--Introduction to Node

In this module you will learn about

- ❖ JS Event Loop
- ❖ Alternatives to Node.js
- ❖ Installing Node.js
- ❖ Writing a simple Webserver using Node.js

### Module 2:--Node.js Development Environment Setup

In this module you will learn about

- ❖ Visual studio IDE usage for JavaScript Programming
- ❖ Understanding built in modules
- ❖ Using npm for installing third party node modules
- ❖ node-dev module
- ❖ node-inspector module

### Module 3:--Modularization

In this module you will learn about

- ❖ Techniques for modularizing js
- ❖ Using require()
- ❖ Exceptions

### Module 4:--Integration with Mongo DB database and Express.js Framework

In this module you will learn about

- ❖ Installing Express.js
- ❖ Routing

- ❖ Parameters and queries in routing
- ❖ Building views using Vash view engine
- ❖ Using blocks for layout
- Displaying data
- Working with forms
- Serving files
- Working with cookies, sessions
- Authentication and Authorization
- Error Handling

### **Module 5:--Scaling Node Applications**

In this module you will learn about

- The Child process model
- exec, spawn, and fork functions
- Using the Cluster module

### **Module 6:--Deploying and Monitoring Node.js Applications**

In this module you will learn about

- Using the forever module
- Introduction to Heroku Platform and deploying
- Monitoring node