

## Node JS Syllabus

<b>Session 1: Introduction to Node JS</b>	
✓ Introduction to Node JS	✓ What is Node JS, Node.js Process Model
✓ Advantages of Node JS	✓ Traditional Web Server Model
<b>Session 2: Setup Development Environment</b>	
✓ Install Node.js on Windows	✓ Working in REPL, Node JS Console
<b>Session 3: Node JS Modules</b>	
✓ Functions, Buffer, Module	✓ Core Modules, Local Modules
✓ Modules Types	✓ Modules Exports
<b>Session 4: Node Package Manager</b>	
✓ What is NPM, Installing Packages Locally	✓ Adding dependency in package Json
✓ Installing package globally	✓ Updating packages
<b>Session 5: Creating Web Server</b>	
✓ Creating Web Server	✓ Handling http requests
✓ Sending Requests	
<b>Session 6: File System</b>	
✓ Fs.readFile, Writing a File	✓ Writing a file asynchronously
✓ Opening a file, Deleting a file	✓ Other IO Operations
<b>Session 7: Debugging Node JS Application</b>	
✓ Core Node JS Debugger	
<b>Session 8: Events</b>	
✓ Event Emitter class	✓ Returning event emitter
✓ Inheriting Events	
<b>Session 9: Express JS</b>	
✓ Configuring Routes	✓ Working with Express
<b>Session 10: Serving Static Resources</b>	
✓ Serving Static Files	✓ Working with Middle Ware
<b>Session 11: Database Connectivity</b>	
✓ Connecting String, Configuring	✓ Working with Select Command
✓ Updating Records	✓ Deleting Records
<b>Session 12: Project Development</b>	
✓ Project Development using Node JS	