

# sterling institute

The finest institute of programming & technology

## INTERNSHIP CONTENT FOR MEAN

Duration: 4 Months (6 Hours / Day)



“WE BELIEVE IN PROVIDING QUALITY NOT ONLY CERTIFICATION”

**STERLING INSTITUTE**

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## MEAN Stack

Mongo	Express JS
<ol style="list-style-type: none"> <li>1. Introduction to MongoDB</li> <li>2. Environment Configuration</li> <li>3. Features</li> <li>4. No SQL Databases</li> <li>5. Advantages over RDBMS</li> <li>6. Data Types</li> <li>7. Data Modeling</li> <li>8. Create and Drop Database</li> <li>9. Create and Drop Collection</li> <li>10. Insert, Update, Delete, Query Documents</li> <li>11. Projection</li> <li>12. Limit()</li> <li>13. Sort()</li> <li>14. Indexing</li> <li>15. Aggregation</li> <li>16. Replication</li> <li>17. Sharding</li> <li>18. Create Backup</li> <li>19. Deployment</li> </ol>	<ol style="list-style-type: none"> <li>1. Introduction to Express JS</li> <li>2. Environment Configuration</li> <li>3. HTTP Methods</li> <li>4. Routing</li> <li>5. URL Building</li> <li>6. Middleware</li> <li>7. Templating</li> <li>8. Static Files</li> <li>9. Form Data</li> <li>10. Database</li> <li>11. Cookies</li> <li>12. Session</li> <li>13. File Upload</li> <li>14. Authentication</li> <li>15. REST Architecture</li> <li>16. Scaffolding</li> <li>17. Error Handling</li> <li>18. Debugging</li> <li>19. Best Practices</li> </ol>
Angular JS	Node JS
<ol style="list-style-type: none"> <li>1. Introduction to JavaScript</li> <li>2. Single Page Application</li> <li>3. Create an Application using Angular CLI</li> <li>4. Workflow</li> <li>5. Modular Concept</li> <li>6. Application Structure</li> <li>7. Application Module</li> <li>8. Component</li> <li>9. Directives</li> <li>10. EventListeners</li> <li>11. Data Binding</li> <li>12. String Interpolation</li> <li>13. Binding</li> <li>14. life cycle hook</li> <li>15. View Child and children</li> <li>16. Routing</li> <li>17. Pipes</li> <li>18. Built-in Pipes</li> <li>19. Custom PipesAngular – Modules</li> <li>20. Lazy Loading</li> </ol>	<ol style="list-style-type: none"> <li>1. Introduction to Node JS</li> <li>2. Environment Configuration</li> <li>3. REPL Terminal</li> <li>4. Modules</li> <li>5. HTTP Modules</li> <li>6. Package Manager (NPM)</li> <li>7. Callbacks Concept</li> <li>8. Event Loop</li> <li>9. Event Emitter</li> <li>10. Buffers</li> <li>11. Streams</li> <li>12. File System</li> <li>13. URL Modules</li> <li>14. Global objects</li> <li>15. Utility Modules</li> <li>16. Web Module</li> <li>17. REST Architecture</li> <li>18. Scaling Application</li> <li>19. Packaging</li> <li>20. Application on Node JS</li> </ol>

21. Services
22. Gaurds
23. HTTP Service
24. Forms
25. Reactive Forms
26. Template-driven Forms
27. Angular Material
28. Angular Testing

## RESTful API

1. RESTful Web Services
2. Creating RESTful for a Library
3. List Users
4. Add User
5. Show Details
6. Delete User

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