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MEANSTACK Course Syllabus

MONGODB

- Introduction
- MongoDB Advantages
- Installation (mlab – mongoose connection)
- Data modelling
- Creating Schemas with Mongoose
- Create Database
- Drop Database
- CRUD Operations
- Limit Records
- Sort Records
- Aggregation
- Data Models
- Change Streams
- Replication
- Storage

EXPRESS JS

- Introduction
- Installation of Node package manager (npm)
- Express Generator
- Static files
- Routing
- HTTP Methods
- Writing Middleware
- Using Middleware
- Using template engines
- Error handling





- Cookies
- Session
- Directory Structure

ANGULAR JS

- What is AngularJS?
- What is Single Page Application?
- Features, Advantages of AngularJS
- MVC and MVVM structure
- Services
- Controllers
- Directives
- Built-in Directives
- Template
- Routing (with server configurations)
- Digest Cycle (Watcher in AngularJS)

NODEJS

- Introduction
- Modules
- HTTP Module
- File System
- URL Module
- Uploading Files
- Event Loop
- Event Emitter
- Callback's Concept
- Buffers
- Streams
- Nodejs Email
- Packaging





Assessments

- Objective Assessments

- Syntactical based

- Scenario based

Note: At least 2 objective based assessments in each module

- Hands On – Practical Assessments

- Scenario based

Note: At least 2 Hands on assessments in each module

Assignments

- Hands On – Practical Assignments

Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- Regular tasks on each module

Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- Work on one or two mini projects

- Discuss and convert the current working project into Mean Stack project to add in resume & to explain Mean Stack experience in interviews

