MERN Stack Training
Company: Sensation Software Solutions
Student Name: Tajinder Kaur
Training Duration: 6 Months
Days: 44

Objective of the Day

The objective of Day 44 was to integrate **MongoDB with Node.js and Express** and understand how backend APIs interact with the database.

Work Done on Day 44

The trainer explained how backend servers connect to databases using **MongoDB drivers and Mongoose**.

Introduction to Mongoose

Mongoose was introduced as an **ODM (Object Data Modeling) library** that provides:

- Schema definition
- Data validation
- Easy database interaction

The benefits of using Mongoose over raw MongoDB queries were explained.

Database Connection

We learned how to:

- Connect MongoDB with Node.js
- Handle connection success and errors
- Organize database configuration files

Hands-on Practice

We practiced:

- Creating schemas and models
- Connecting backend server with MongoDB
- Testing database connectivity

Conclusion

Day 44 connected **database concepts with backend logic**, making the MERN stack more complete.