

Course Code	
Course Name	MongoDB

Duration (in days)	1	Proficiency Level	Front End Development
Pre-requisites	None	Target Audience	Campus Hires

## Learning Outcome

At the end of the program, participants will be able to learn:

- NoSQL vs RDBMS
- Benefits of using NoSQL databases
- Types of NoSQL Databases
- Working with MongoDB
- Performing Create, Read, Update, Delete (CRUD) operations in MongoDB

## Day-wise Session Plan

Day	Unit	Objective(s)	Hours
1	NoSQL Databases Introduction	<ul style="list-style-type: none"> <li>• NoSQL databases vs RDBMS</li> <li>• Types of NoSQL</li> <li>• Features of NoSQL</li> <li>• Describe the basic principles of the document-based data model</li> <li>• Identify key features of the MongoDB NoSQL</li> </ul>	1
1	Working with MongoDB	<ul style="list-style-type: none"> <li>• Using MongoDB Atlas</li> <li>• Using MongoDB Compass</li> <li>• Store Data with Mongoose &amp; MongoDB</li> </ul>	1
1	Performing CRUD operations	<ul style="list-style-type: none"> <li>• Understanding Databases, Collections &amp; Documents</li> <li>• The Shell &amp; MongoDB Drivers for Different Languages</li> <li>• Creating Databases &amp; Collections</li> <li>• Create, Read, Update, Delete (CRUD) &amp; MongoDB</li> <li>• Finding, Inserting, Deleting &amp; Updating Elements</li> <li>• Understanding "insertMany()"</li> <li>• update vs updateMany()</li> <li>• Embedded Documents &amp; Arrays</li> </ul>	6