

Class No	Module Details	Duration
Module Name: Introduction to Databases		
01	<ul style="list-style-type: none"> <li>• Overview of databases and their importance</li> <li>• Introduction to MySQL/mongodb and its features</li> <li>• Understanding the relational database model</li> </ul>	02 Hours
<b>Module Name: MySQL /MONGODB Installation and Configuration</b>		
02	<ul style="list-style-type: none"> <li>• Installation of MySQL/ MongoDB Server on various platforms (Windows, Linux)</li> <li>• Configuration of MySQL Server settings Setting up user accounts and privileges</li> </ul>	02 Hours
<b>Module Name: Database Design</b>		
03	<ul style="list-style-type: none"> <li>• Fundamentals of database design</li> <li>• Creating and managing databases and tables</li> <li>• Understanding data types and constraints</li> </ul>	02 Hours
<b>Module Name: Database Backup and Recovery</b>		
04	<ul style="list-style-type: none"> <li>• Importance of backups and recovery strategies</li> <li>• Performing backups and other tools</li> <li>• Strategies for database recovery in case of failures</li> </ul>	02 Hours
05	<p style="text-align: center;"><b>Module Name: High Availability and Standard</b></p> <ul style="list-style-type: none"> <li>• Understanding high availability concepts</li> <li>• Configuring and managing replication for MySQL/ MongoDB</li> <li>• Implementing failover and load balancing</li> </ul>	02 Hours
<b>Module Name: Performance Tuning and Optimization</b>		
06	<ul style="list-style-type: none"> <li>• Identifying and resolving performance bottlenecks</li> <li>• Optimizing database schema and queries</li> <li>• Monitoring and analyzing database performance</li> </ul>	02 Hours
<b>Module Name: Utilities and Tools</b>		
07	<ul style="list-style-type: none"> <li>• Overview of MySQL utilities and command-line tools</li> <li>• Using graphical administration tools such as MySQL /MongoDB Workbench</li> <li>• Automation and scripting for database administration tasks</li> </ul>	02 Hours
08	<p style="text-align: center;"><b>Module Name: Overview and Performance tuning</b></p> <ul style="list-style-type: none"> <li>• Identifying and resolving performance bottlenecks</li> <li>• Optimizing database schema and queries</li> <li>• Monitoring and analyzing database performance</li> </ul>	02 Hours