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Data Analyst Course in Hyderabad

In association with :



Certificate from prestigious IITM Pravartak

Are you looking for a high-paying career? Your search ends here! India is in dire need of Data Analysts. Excelr's Data Analyst Course trains you in the relevant tools and skills & prepares you for a secure job with our network of 4000+ hiring partners. Now, with the added advantage of IITM Pravartak Certification.



Duration

150+ Hours / 6 Months

Quick Enquiry



**Subqueries:** Become proficient in using subqueries to nest queries inside each other. Subqueries are versatile and can be applied in SELECT, FROM, WHERE, and HAVING clauses for performing in-depth analysis.

**Indexes:** Utilise indexes to improve query performance. Understand how to create, drop, and optimise indexes for frequently queried columns.

**Stored Procedures and Functions:** Learn to create stored procedures and functions to encapsulate and reuse SQL logic. Stored procedures can improve code organisation and performance.

**Transactions:** Understand transaction management in MySQL. Learn how to start, commit, and rollback transactions to maintain data integrity.

**Performance Tuning:** Familiarise yourself with techniques for optimising MySQL performance, such as query optimisation, configuring server variables, and monitoring database performance metrics.

**Data Visualisation:** Integrate MySQL with tools like Tableau, Power BI, or Python libraries (Matplotlib, Seaborn) to create visualisations and dashboards for data analysis.

**Advanced Analytics:** Explore advanced analytical techniques using MySQL. These include time-series analysis, predictive modelling, clustering, and text mining, which can be done using SQL extensions or by integrating MySQL with external analytics platforms.

**Security:** Learn best practices for securing MySQL databases, including user authentication, access control, encryption, and auditing.

**Backup and Recovery:** Develop a solid backup and recovery approach to ensure your data remains secure from potential loss or corruption. Understand the process of carrying out consistent backups and how to recover data quickly during emergencies.

**Monitoring and Maintenance:** Set up comprehensive monitoring tools to observe the performance and overall health of the MySQL server. Regularly perform maintenance activities like optimising databases, reorganising indexes, and updating software to maintain system efficiency.

By acquiring a strong foundation in basic and advanced techniques, you can effectively use MySQL as a robust tool for data analysis in diverse sectors. Keep exploring and testing new features to improve your MySQL proficiency continually. A committed professional must consistently engage in skill-building practices to stay updated with the fast-paced changes in this dynamic technology landscape.