



NTHRYS WORKSHOPS

Advanced Database Management Techniques

8:45 AM - 10:15 AM: Session 1: Database Partitioning and Sharding

Introduction to database partitioning and sharding techniques.
Hands-on workshop on horizontal and vertical partitioning, replication, and sharding in distributed systems.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: NoSQL Databases

Overview of NoSQL database technologies and their use cases.
Practical session on document-based, key-value, and graph databases like MongoDB and Redis.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Data Warehousing and ETL

Discussion on data warehousing concepts and ETL (Extract, Transform, Load) processes.
Practical exercises on building data pipelines and working with large datasets.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Cloud Database Solutions

Exploration of cloud-based database management systems.

Case studies on AWS RDS, Azure SQL Database, and Google Cloud Databases.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.

Dialogue on overcoming challenges in adopting new technologies in similar sectors.

Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes