Nosql Database Fundamentals

8:45 AM - 10:15 AM: Session 1: Introduction to NoSQL Databases

Overview of NoSQL database fundamentals and their applications.
Practical session on key-value stores, document stores, and column-family stores.

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

Networking and refreshments.

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

Discussion on scaling techniques in NoSQL databases.
Hands-on workshop on horizontal scaling, sharding, and replication in NoSQL systems like
MongoDB and Cassandra.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Schema Design for NoSQL

Overview of schema design best practices in NoSQL databases.
Case studies on schema modeling in document-based databases.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Consistency and Partition Tolerance

Exploration of the CAP theorem and its implications on NoSQL databases.
Case studies on managing consistency and partition tolerance in distributed systems.

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