

## **Workshop on Big Data Framework**

### **Abstract:**

A modern data platform needs to be flexible to handle various workloads corresponding to the diverse business objectives, be extensible to support existing and emerging data technologies. This workshop will impart knowledge on how to implement Lambda Architecture to accelerate big data development based on open source. The workshop will also discuss Kafka/RabbitMQ/SQS for Queuing, Storm/Spark Streaming/Kinesis for stream computing, and Cassandra/MongoDB/HBase/HDFS/DynamoDB/S3/MySQL for persistence and ElasticSearch/Solr for full text search.

### **Highlights of the workshop on Big Data:**

- Sources of Big Data and Big Data Adoption
- Characteristics of Big Data – The Five V's
- Implementation of the Lambda Architecture
- Big Data Components
- Message Broking System
- Stream Data Computing
- SQL Vs NoSQL Databases
- Big Data – Use Cases
- Conclusion