

Big Data Analytics
(7th June to 11th June 2021)

Speaker: Atul, IBM India

Sr.No	Day and Date	LAB / Theory	Status
1	Day 1 07-June-2021	<p>Morning Session Lab: Virtualization Hypervisor deployment Theory: Big data sources, Big data tools, Cloud and Virtualization Data XML Converters Bigdata Usecases webservers and innovative projects MVC MVT overview</p> <p>Afternoon Session Lab: Ubuntu/Infrastructure/Server Deployment Lab: Infrastructure/Server Validations. Lab: Package installation. Lab: Python Code Designs Visualization on windows and Linux.</p>	COMPLETED
2	Day 2 08-June-2021	<p>Morning Session Lab: Database Deployment Lab: MySQL Secure Deployment, Creation of testuser, testdb, tables and granting privileges on database. Theory Big data frameworks, Database overview, MySQL workbench</p> <p>Afternoon Session Lab: Java Virtual Machine and JDK troubleshooting Lab: Apache Solr deployment and cores creation. Theory Big data frameworks, Database overview, Apache Solr Extraction querying and searching, Jenkins CI CD</p>	COMPLETED

<p>3</p>	<p>Day 3 09-June-2021</p>	<p>Morning Session Lab: Hadoop and Pig deployment Lab: Bigdata MR jobs and models Theory Hadoop Distributed File System,Hadoop Fundamentals Afternoon Session Lab: CI CD Jenkins Hadoop integration</p>	
<p>4</p>	<p>Day 4 10-June-2021</p>	<p>Morning Session Lab: Streaming data pipes, Mapper and Reducer Hadoop data processing Theory Data movement in a MapReduce job Afternoon Session Lab: MapReduce processing RT Use cases: Wordcount</p>	
<p>5</p>	<p>Day 5 11-June-2021</p>	<p>Morning Session Lab: JAQL, R and Python Pie Hist and Box Plot visualization Theory Query Languages for Hadoop Data visualization, Apache Avro and spark, pyspark Afternoon Session Hadoop Reporting and Analysis Apache Oozie</p>	