In compliance to the University activity calendar directives, the Department of Computer science and Engineering, Integral University Lucknow organized Seven Days Workshop cum FDP on "Big Data Analytics using CLOUDERA" from 19th March to 26th March, 2021 in online mode, wherein total 100 faculty and students from the different Departments of various Universities shown their interest. The resource person was **Dr Shish Ahmad**, Associate professor of the department.

A variety of huge data being generated at an extremely fast pace in various sector, therefore analyzing big data has become extremely crucial and inevitable. Big data Analytics is being adopted throughout the globe in order to gain numerous benefits from the data being produced. The primary purpose of the Workshop cum FDP was to update the participants to gain the knowledge in the field of Big Data and the tools used for its analysis. The workshop aimed to provide the detailed knowledge of the Big data tool "Cloudera" along with "Hortonworks" and highlighting the need to abreast faculty and students with latest technology in the field of Big data Analytics to enhance their skills and to make them compatible with the latest trends of the industry.

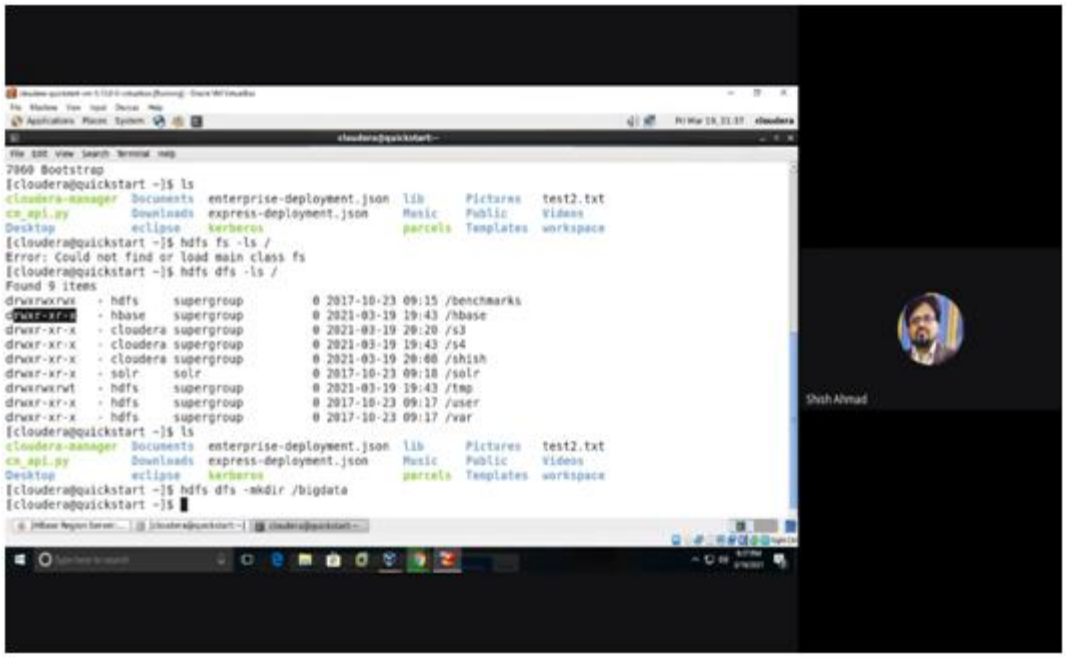
On the first day, participants were made aware about the role of Big data and Big data Analytics. The resource person discussed about the need of Big data Analytics and sources of Big data. During the talk, he enlightened the participants about the installation of "Virtual box" and "Cloudera" and an interactive technical practical session & Hands-on training on Cloudera manager was also conducted.

2nd Day onwards of the Workshop cum FDP the resource person highlighted the role of Hadoop, HDFS, MapReduce in Big data Analytics and guided participants to perform experiments on the various tools of Cloudera such as HBase, Pig and Hive.

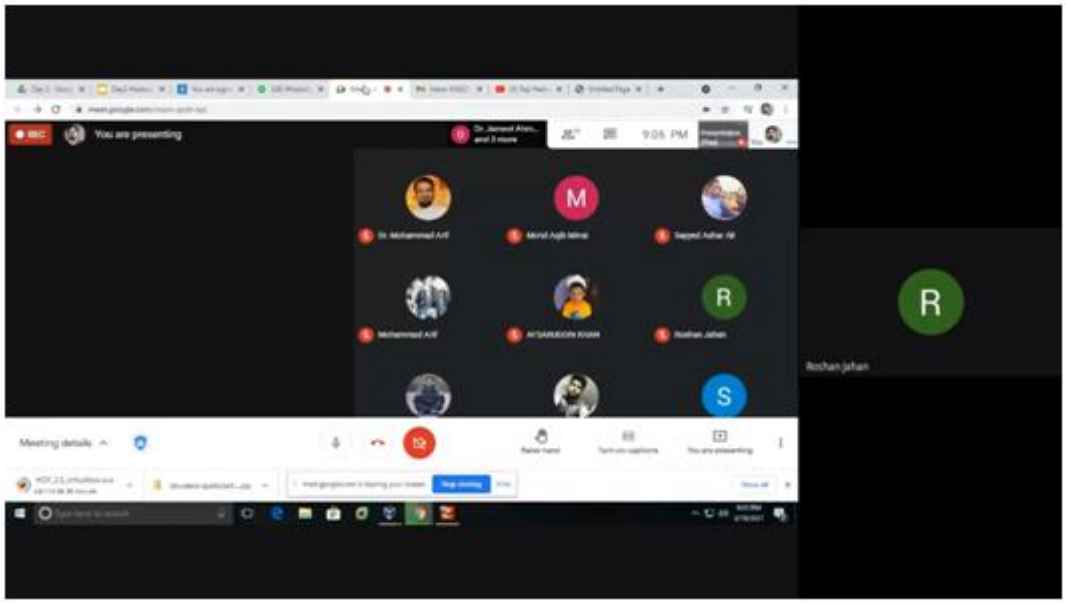
He also highlighted NoSQL databases such as MongoDB and gave hand-on flavor on "ROBO3T". He enabled the participants to perform CURD queries on MongoDB platform.

On the last day i.e. 26th March, 2021 the Workshop cum FDP was dedicated to hands-on practice on "MongoDB" platform like indexing and MapReduce. During the valedictory session, Dr M. Akheela Khanum, Associate Professor & Head, Department of Computer science & Engineering, addressed the participants and congratulated them for successful completion of the Workshop.

In the period of seven days participating Faculty members and students learned and understood the new concepts of the emerging tools and techniques in the field of Big data Analytics, which will surly help them in their career building. The participants were trained to run commands and queries on “Cloudera”, “Hortonworks” and “MongoDB” platform. The keen interest of the participants made the session very lively and fruitful. This Workshop cum FDP laid the foundation and paved the path in the field of Big Data Analytics.



Shish Ahmad



R

Roshan Jahan