

# A Report on Five-Day Workshop on “Big Data Analytics and Cloud computing” organized by Computer Science and Engineering Department of Jorhat Engineering College

With an objective to acquaint the students with basic knowledge of big data analytics and cloud computing, two topics that are not included in the present curriculum, Computer Science and Engineering Department of JEC has conducted a five day workshop for UG students in the departmental seminar hall from 7<sup>th</sup> to 11<sup>th</sup> June, 2018.

The program was inaugurated by Prof. Rupam Baruah, HOD, CSE along with an inaugural speech highlighting the importance of these technologies in present day context.

The first resource person Ms. Mousoomi Borah started her talk with an introduction to data warehousing and big data analytics. She moved on to elaborate HADOOP, the principal framework used for big data analytics, and explained in detail the techniques like HDFS and map reduce.

On the second day, Ms. Mousoomi Borah, continued her discussion by elaborating various related technologies and visualization tools. She took up Hive, Pig, Hbase, ETL, Tableau and described these at great length.

On the third day, Dr. Ferdous Ahmed Barbhuiya started his discussion with an introduction to cloud computing. Then he explained the service models and deployment models with a practical demonstration of AWS.

On the fourth day, Dr. Barbhuiya explained elastic block storage with practicals. Moreover, he covered Amazon virtual cloud and relational database service with hands on practicals.

On the last day, Dr. Ferdous Ahmed Barbhuiya introduced students to a new technology, namely, Industry 4.0, and explained the various aspects of cyber-physical systems, Internet of Things, cloud computing and cognitive computing.

The event was a successful one. The workshop was relevant to the title and were well-appreciated by the students. After completion of this workshop students have felt encouraged to explore these technologies further and to take up project work in these current areas.

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