UNIVERSITY OF DELHI
CENTRE FOR SCIENCE EDUCATION AND COMMUNICATION

SKLL TRANING WORKSHOP ON BIG DATA AND HADOOP
7-11 JULY 2017

Introduction Big data is watching you! Each time you go to a website, every minute you spend on the Internet, you are being monitored. In fact, a huge amount of data is captured and analysed every second. The upcoming digital era will be largely driven by insights from your activities in the social media platforms, mobile devices and internet of things. "The Big Data industry will grow with a CAGR of 23.1 per cent in the period of 2016 – 2020." This anticipated growth and use of big data therefore has to be nurtured and enhanced to translate into financial opportunities and job creation while also making India the largest data analytics market in the world. According to TeamLease Services - a staffing solutions company - by 2020, India will face a demand-supply gap of 2,00,00 data analytics professionals. This course will provide you with an ocean of opportunities to enter the high growth Big Data Industry. Why this course ? Hadoop Market is expected to reach \$99.31B by 2022 at a CAGR of 42.1% -Forbes• McKinsey predicts that by 2018 there will be a shortage of 1.5M data experts• Average Salary of Big Data Hadoop Developers is \$135k (Indeed.com salary data)• India's big data analytics sector is expected to grow in multiples by 2025 and should reach as• high as \$16 billion from the present \$2 billion according to the National Association of Software and Services.

- Managing a Big Data Eco-system
- The Hadoop Ecosystem/Hadoop Architecture
- HDFS (Hadoop Distributed File System)/HDFS Architecture/HDFS internals and use cases
- HDFS Daemons Introduction to MapReduce and its Characteristics
- Understnding the driver, mapper and reducer
- Word Count example application
- Analyzing data with Pig/Pig architecture/Pig VS SQL
- Basics of Impala and Hive
- Using Hive for Data Warehousing
- Oozie/Zookeeper
- Transferring bulk data using Sqoop
- Streaming big data into Hadoop using Flume
- Introduction to Hbase/HBase VS RDBMS•

Interested students may send their applications along with a CV mentioning their name, course, college/dept, email ID, mobile number and reason for attending the course. All applications must be sent to **csec.events@gmail.com. The last date for sending applications is 30 June 2017.** The selected applicants will be informed through email.

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Coordinator, CSEC