

WORKSHOP Event Report

Date of the event	6-10-17,7-10-17
Title of the Event	WORKSHOP on "Big Data Analytics-Platforms & Tools"
Name, designation and organization of invited guest speakers	Mr. Narasimha Datta Designation: Principal Software Engineer Organisation: Citrix R & D India Pvt. Ltd., Bangalore.
Organized by (Dept Name)	Information Science and Engineering
Name of department event coordinators	Pushpalatha M & Kumar R

Department of ISE conducted a two day workshop on "Big Data Analytics-Platforms & Tools" on 6-10-17 & 7-10-17 from 9.00 AM to 4 : 30 PM in the Seminar Hall No 4. The Students of 7th & 5th semester of Information Science & Engineering actively participated in the workshop. So Around 65 Information Science & Engineering students participated in hands on session conducted on "Big Data Analytics-Platforms & Tools"

The HOD of Information Science & Engineering, Pushpalatha M, welcomed the speaker and gave a brief introduction to students about the speaker profile.

The workshop on 6-10-17 (first day) was started at 10.00 am. The speaker initiated with concepts Introduction to Big data analytics, challenges in Big data analytics, future scope. Also presented the importance & various tradeoffs that exist for data storage and analysis, which was illustrated through examples. The concepts of data stripping, replication of data and its importance among multiple disks, the programming model map reduce was discussed. The challenges in parallelizing the programs, threading on single machine vs running programs on multiple machines was illustrated through examples. A brief timeline to Hadoop architecture, HDFS properties and concepts were explained to students through hands on session on ubuntu OS using Virtual box. The configuration of HDFS on Ubuntu platform was taught to them. The first day workshop session ended at 4.30 pm.

On Second day 7-10-17 (second day), the session was started at 9.00 am. The hands on session continued setting up of HDFS configuration for creation of name_node and data nodes on single system. After that HDFS relevant commands to copying files to and from HDFS to local File system was demoed through hands on session. Even executing java programs on HDFS was illustrated. In the afternoon session Map- reduce programming model was introduced along with its concepts & applications. Executing data files using Map-reduce programming model on standalone system using ssh and yarn(distributed system) was taught to students. The session ended at 4.30am.

After the session , a thank note was delivered to the speaker , by HOD of Information Science & Engineering, Pushpalatha M . The speaker was presented with memento and honorarium as a token of appreciation.

PHOTOS:

