

## Report on Seminar on Big Data & Analytics

A SEMINAR ON

# BIGDATA & ANALYTICS



ORGANIZED BY  
SCHOOL OF LIBERAL STUDIES (SLS), PDPU

A seminar on 'Big Data & Analytics' was organized by 'School of Liberal Studies' under the guidance of Mr. Abhinav Kapadia, Dr. Ashwin Dave and Dr. Ashish Joshi on 9<sup>th</sup> Nov.'2017.

Dr. Ashwin Dave, Professor, SLS in his welcome address emphasized that the students must understand the latest available technologies and ensure use of the same for further development and expansion of the businesses.

The key speaker for the event was Mr. Ankur Sharma from Tata Consultancy Services. Mr. Sharma has more than 13 years of Industry experience. Currently he is working as Big Data Architect in TCS, Gandhinagar. He is certified technical trainer from TCS and Minitab Inc. he earned MTech in Software Systems from BITS Pilani and holds Post Graduate Diploma in Enterprise Management from IIT, Delhi and gained executive MBA degree from Karnataka University. He earned his MBB (Advance and Applied Statistics) certification from India Institute of Statistics, Bangalore and Project Management professional certification from PMI (Project Management Institute), USA.

Mr. Ankur Sharma has started the session with the definition of Big Data. "Big Data is an evolving term that describes any voluminous amount of structured, semi-structured and unstructured data that has the potential to be mined for information". In simple words, Big Data is a pure technological term. Big Data is often characterized by 3Vs:

- (1) Velocity,
- (2) Variety and
- (3) Volume.

He also discussed about 'Hadoop Analytics'. "Hadoop is an open-source software framework for storing data and running application on clusters of commodity hardware. It provides massive

storage for any kind of data, enormous processing power and the ability to handle virtually limitless concurrent tasks or jobs”.

He covered five digital forces namely:

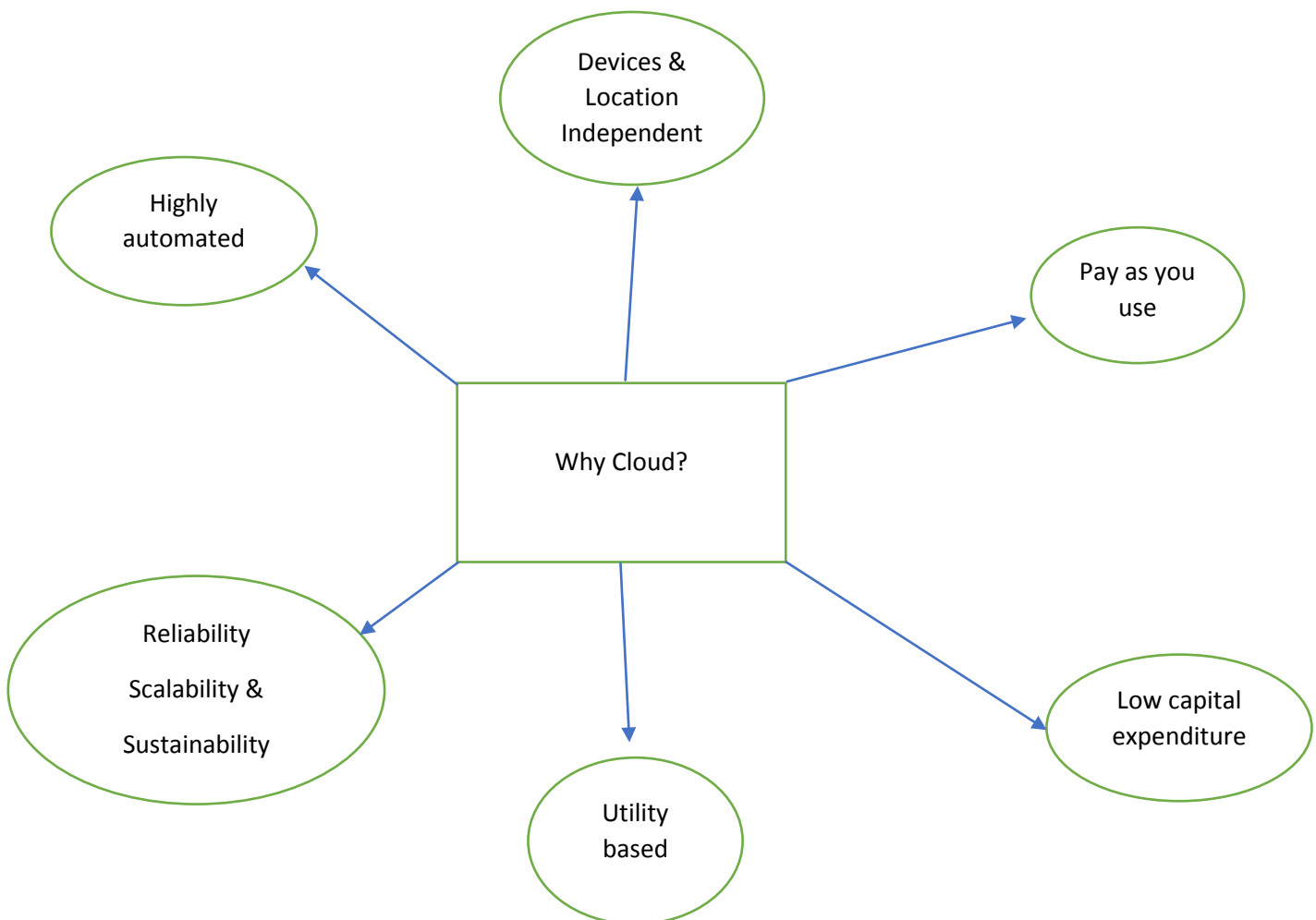
- Big Data Analytics
- Cloud Computing
- Social Media
- Robotic Process Automation(RPA)
- Mobility and pervasive computing

### **Big Data Analytics:**

Big Data Analytics is the process of examining large and varied data sets i.e., big data to uncover hidden patterns, unknown correlations, market trends, customer preferences and other useful information that can help organizations make more informed business decisions. The main purpose of Big Data Analytics is to make better decision.

### **Cloud Computing:**

In the simplest terms, cloud computing means storing and accessing data and programs over the Internet instead of your computer’s hard drive. The cloud is just a metaphor for the Internet.



## **Social media:**

The “social” part refers to interacting with other people by sharing the information with them and receiving information from them.

The “media” part refers to an instrument of communication, like the internet( while TV, radio and newspapers are examples of traditional forms of media).

Social media are web based communication tools that enable people to interact with each other by both sharing and consuming information..

## **Robotic Process Automation(RPA):**

Robotic Process Automation is the use of software with Artificial Intelligence(AI) and machine learning capabilities to handle high- volume, repeatable task that previously required a human to perform. RPA automates the process by executing tasks quickly and consistently with a high degree of precision, accuracy and reliability that exceeds human capability.

TCS uses four Robot Siblings that are as follows:

- ROBO Extracter: Content to System
- ROBO Formater: System to Content
- ROBO Uniter: System and Document Consolidation
- ROBO Impresario: Sequencing, Workload Management & Analytics

## **Mobility and pervasive computing:**

Mobility and pervasive computing is nothing but connected a workplace, enabling better strategy execution through anytime anywhere access to information and solutions through mobile devices.

Mobility solutions focus on helping the organizations achieve the following business objectives:

- Improve Productivity and Efficiency
- Enhance Customer Experience
- Improve Service Delivery

Students have participated in large numbers in the seminar and they have not only seriously asked several questions but also gave their basic understanding and expressed their views

The seminar was concluded by giving momento to Mr. Ankur Sharma by Priya Pahelwani from SLS15.

The student volunteers namely Mr. Aditya Daxini, Ms. Priya Pehalwani and Mr. Dhruval Shah provided due support for smooth conduction of the seminar. .

Students found the seminar very informative and interactive.

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