

# Don Bosco Institute of Technology, Mumbai – 400070

# Report on Big Data Analytics: Information Security Perspective

**Title:** Session on Big Data Analytics: Information Security Perspective

**Date:** 10<sup>th</sup> September, 2019

Time: 10am to 11am

Venue: Comp CR-2

**Participants**: B.E. Computer

Resource Person: Dr. Amiya Kumar Tripathy

Organzing Department / Committee / Authority : Computer Department

**Objective:** To get insights about data security in Big Data Analytics environment

#### **Outcomes:**

- 1. To understand Data privacy in normal context
- 2. To able to relate it to privacy required for Big Data
- 3. To be able to understand infrastructural requirements for implementation of security in Big Data\
- 4. To be able to indetify personal identifiable identity in Big data
- 5. To be able to apply concepts understood in the B.E. projects that are currently cariied out

**Excerpt:** Session on Big Data Analytics: Information Security Perspective

#### Report:

# **Topics covered:**

What is Big Data?
How to protect data privacy
Big data, security Intelligence
Big Data and security
Security – The perfect storm
Video –I
How to protect data privacy in the era of big data?
Big Data infrastructure security
Big Data and Personal Identifiable Identity

Big Data and Insights Video –II Insights on related BE project and the need to secure data

### **Insights and Understandings:**

In the recent boom in the generation of data and the drop in the cost of storing data, it has become imperative that all the data that is generated, has to be protected too. All methods of information security that are used currently may turn out obsolete due the exponential increment in the generation and storage of data. The session taught a very valuable insight on how Big-data can be secured.

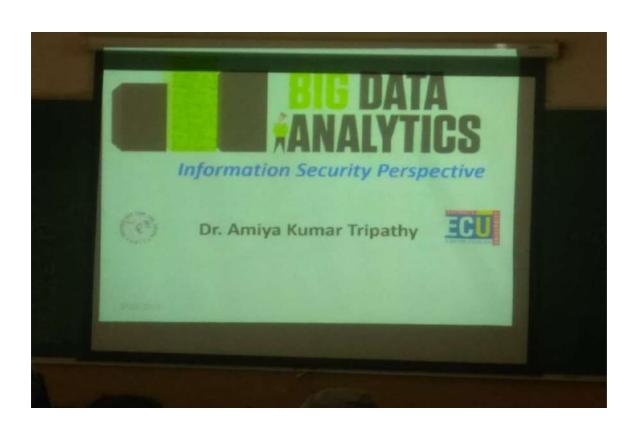
A major reason for the very requirement of the protection of data privacy that was emphasized on in the session was that the data ultimately is valuable. A lot of applications, research and development and analysis is done on the aforementioned data. It could be someone's location, or someone else's parent's flight ticket to a secret meeting in a covert country, whatever be it, all data must be treated with equal priority to be secured against cyber criminals who waste no chance in finding vulnerabilities.

The BE Project mentioned was about fining insights from student behaviour in class. The data used would be the CCTV footage of the class which is huge in volume as well as essential to secure. Anyone who's not supposed to view the footage can misuse it in multiple ways like finding the shortcomings of the CCTV and execute a malicious plan in class. This thread doesn't directly involve the video footage but indirectly is derived from it. The above example was very informative in emphasizing the need of Information security of Big data.

**Report Prepared By:** Hansel Presley Saldanha

#### **Pictures:**





## DON BOSCO INSTITUTE OF TECHNOLOGY

Department of Computer Engineering

Session on "Big Data Analytics: Information Security Perspective"

Speaker: Dr. Amiya Kumar Tripathy

Faculty Coordinators: Ms. Sana Shaikh and Ms. Shafaque Syed

Date: 10<sup>th</sup> September, 2019 Time: 10am to 11am

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