



**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

**Organizing 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 carriied 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 :**





# BIG DATA ANALYTICS

*Information Security Perspective*



Dr. Amiya Kumar Tripathy



**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

Roll No.	Name	Signature
67	Vignesh Sundaram	Vignesh
47	Aditya Pawar	Aditya
60	Shubham Sapkal	Sh.
31	Pranav Kale	Pranav
05	Sevab Banka	Sevab
09	Mibir Chitre	Mibir
16	Attharua S. Debnulch	Attharua
17	Ram Debnulch	Ram
35	Shifa Maner	Shifa
59	Bryan Sanil	Bryan
28	Aishwarya Tadhar	Aishwarya
19	Briclad Dsouza	Briclad
65	David Varghese	David
56	Sneeden Rebelto	Sneeden
52	Prinyanka Puranik	Prinyanka
42	Sherin Palamattam	Sherin
26	Clyde Gomes	Clyde
58	Hansel Saldanha	Hansel
20	Denver Dsouza	Denver
61	Sherman Szymura	Sherman
41	Sarang Gauraha	Sarang
37	Rahul Mendes	Rahul
38	Yash Mishra	Yash
69	Arnav Tadar	Arnav
66	Robin Varghese	Robin



Attendance for Session on Big Data Analytics- Information Security Perspective

**DON BOSCO INSTITUTE OF TECHNOLOGY**  
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Roll No.	Name	Signature
4	Shivam Baikerikar	Shivam
15	Tanmay Desai	Tanmay
40	Rachmesh Naik	Rachmesh
22	Diana D'Souza	Diana
32	Tooba Rizwan	Tooba
29	Vaideshi Jadhav	Vaideshi
54	Samruddhi Racerane	Samruddhi
41	Rohini Nimbekar	Rohini
10	Christy Lyora	Christy
49	Prayuj Pillai	Prayuj
18	Olivia D'sa	Olivia
21	Denzil D'Souza	Denzil
55	SAGAR RAO	Sagar
68	Saurabh Wadkar	Saurabh
24	Clifford Fernandes	Clifford
50	Rahul Prabhu	Rahul
34	Desmond Lobo	Desmond
03	Elana Alphonso	Elana
27	Jackin Presilla	Jackin
01	Russel Abreo	Russel
45	Hanshada Patil	Hanshada
46	Yogesh Patil	Yogesh
62	TARUN. SHETTY	Tarun
63	Tushar Shinde	Tushar
64	Syed Saqib Hussain	Syed
07	Caudez Rosy	Caudez
38	Joyce Menezes	Joyce
19	Bhikshu D'Souza	Bhikshu