

Apex Institute of Technology

## Chandigarh University, Mohali

**Department of Computer Science & Engineering**

**Introduction to Data Science (21CST-292)**

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| **Session: 2022-2023** | **Even Semester** | **Class: 2nd Year** | **Section: 21AML-12/10** |

# Assignment – 1

# Unit 1

**Final Submission Date: 11/03/2023**

**[5 × 5 = 25 Marks]**

**Note: Do Any Five. All questions carry equal marks.**

1. Define Overfitting in Big Data. List the various challenges faced in big data in detail.
2. Define data redundancy and inconsistency. Why data inconsistency is more important to maintain it?
3. Explain the various components of Big Data Architecture with a neat diagram?
4. Describe the use of big data in different fields with suitable examples.
5. Describe how data was arranged in various previous databases.
6. Describe why big data management is most prior as compared to the others.
7. Explain the big data architecture process in detail.

**Note: It is compulsory to write using paper/pen (in A4 Size paper), not to do with printout, just take Front Page printout as below:**

**21CST-292/ASSIGNMENT-1**

***ACADEMIC YEAR: 2022-2023 (Even Semester)***

# Introduction to Data Science

# (21AML-12/10)

**STUDENT ID:**

**STUDENT NAME:**

**SEMESTER: \_**

**BRANCH NAME: \_**

**DATE OF SUBMISSION:**

**TOTAL PAGES:**

**STUDENT SIGN:**

**SUBMITTED TO: MARKS:**

**Dr. Jitender Kaushal (E14621)**

### Associate Professor FACULTY SIGN:

### AIT-CSE DEPT.

**APEX INSTITUTE OF TECHNOLOGY**

# COMPUTER SCIENCE &ENGINEERING