

# Assignment 2

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Course - BCA CyberSecurity

Subject - Foundation of  
Data - Driven

Decision Making

Code - ETSEDDI11

Serial No. - 38

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## Task-1 Survey Design

Survey : student satisfaction at college

1) What is your age?

- below 18     18-20     21-23     24+

2) Which program are you enrolled in?

- BCA     BBA     B.com     DBA     Other

3) How satisfied are you with the teaching quality

- very satisfied     satisfied     neutral  
 dissatisfied

4) Rate campus facilities (classroom, wifi, labs etc.)

★ ★ ★ ★ (1 = Poor, 5 = excellent)

5) How likely are you to recommend this college to others?

- Yes     maybe     No

6) Do you feel safe and supported on campus?

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Yes     somewhat  No

7) Any suggestion for improvement?

Task-2 Collect and store responses

Response ID	Program	teaching quality	Facility Rating	Recommended	Supportive campus	Suggestion
1	BCA	satisfied	4	Yes	Yes	more lab time
2	BBA	Neutral	3	maybe	Yes	improve wifi
3	BCA	Very satisfied	5	Yes	Yes	good experience
4	B.com	Satisfied	4	Yes	Somewhat better	parking
5	BA	Dissatisfied	2	No	No	new teachers
6	BCA	Neutral	3	Maybe	Yes	more event
7	BBA	Very satisfied	5	Yes	Yes	No suggestions
8	BCA	Satisfied	4	Yes	Yes	upgrade classroom

9	B.Com	satisfied	4	No	Yes	better faculty
10	BA	Very dissatisfied	1	No	No	better faculty

### Task 3: Identify and fix data cleaning issues

Issue found	Fix applied
Duplicated entry at row 388	Removed duplicate
Missing suggestion in?	Replaced with value N/A
Inconsistent values (Yes/ YES / yes)	Standardized to 'Yes'
Rating sometimes entered as ("Four")	Converted text to numeric format

Task 4: Short Note on ethical consideration in data collection.

ethical handling of data ensure privacy, fairness  
DOMS

and transparency when collecting personal data

- Respondent must give informed consent.
- Data should be used only for academic or intended purpose.
- Personal privacy must be protected by removing names and sensitive identities.
- Data must be stored securely and not shared without permission.
- Participants should have the right to withdraw their participation at any time.