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ROLL NO → 2501201020

COURSE → Foundations of data driven
decision making

SECTION → 'C'

COURSE CODE → ETSEDD111

PROGRAMME → BCA (AI and DS)

SEMESTER → 1st

FACULTY → Mr. SATINDER Singh Pal.

DDDM

ASSIGNMENT-2

Task 1 : Design a short survey (5-10 questions) to collect feedback about students satisfaction at your college.

Objective : To collect feedback on student satisfaction at the college.

Survey :

- 1) How satisfied are you with the quality of teaching at your college?
very satisfied / satisfied / Neutral / dissatisfied
- 2) How would you rate the college infrastructure (classroom, labs, library)
very satisfied / satisfied / Neutral / dissatisfied
- 3) Are you satisfied with the support provided by the faculty members?
Yes / No / somewhat.
- 4) How would you rate the surroundings and environment.
Excellent / good / average / poor
- 5) How satisfied are you with the placement and internship opportunities?
Very satisfied / satisfied / Neutral / Dissatisfied / not applicable
- 6) Would you recommend this college to others?
Definitely / Maybe / Not sure / No.

Task 2: collect 10-15 responses (real or simulated) and store them in a spreadsheet.

Student ID	Teaching	Infrastructure	Activities	Placement	Recommend.
1.	satisfied	Good	Neutral	satisfied	Definitely
2.	satisfied	Good	satisfied	satisfied	maybe
3.	satisfied	Good	satisfied	satisfied	maybe
4.	very satisfied	Good	Poor	satisfied	Definitely
5.	satisfied	Very Good	satisfied	Neutral	Definitely
6.	Neutral	Very Good	Neutral	satisfied	Definitely
7.	satisfied	Excellent	satisfied	satisfied	maybe
8.	very satisfied	Good	Poor	Neutral	Definitely
9.	Neutral	Average	Neutral	Neutral	Definitely
10.	very satisfied	Very Good	Neutral	satisfied	maybe
11.	satisfied	Excellent	satisfied	satisfied	maybe
12.	satisfied	Good	Neutral	satisfied	Definitely

Task 3: Identify and fix issues such as missing data, duplicate entries or inconsistent formatting.

common issues identified:

- missing data:

example: student 3 didn't answer question 10

fix: Replace with "No activities provided" or leave blank intentionally with a note.

duplicate entries:

example: if the same student filled out the form twice (duplicate student ID)

fix: keep only the latest or most complete entry.

Inconsistent formatting:

example: "very satisfied" and "satisfied" (case inconsistency)

fix: standardize all responses (capitalize the first letter, consistent spelling)

data type errors:

example: Numeric ID stored as text

fix: convert to proper datatype in spreadsheet.

extra spaces or types:

example: "Excellent" instead of "excellent"

fix: use excel functions like TRIM and find and replace to correct.

TASK 4: Write a short note on ethical considerations while collecting personal data.

when collecting and analyzing personal data, it is important to follow ethical guidelines to ensure privacy and fairness:

informed consent, confidentiality, Data minimization, anonymity, Data security, honesty and transparency, right to withdraw.