

Assignment -2Data driven decision makingTask 1 - Survey

Objective : To collect feedback about overall student satisfaction at KR Mangalam university.

→ Survey Questions :

1. How satisfied are you with the overall learning at KR MU?
2. How would you rate the quality of teaching & faculty support.
3. Are you satisfied with the cleanliness & infrastructure?
4. How accessible are academic & administrative staff when need you help.
5. How would you rate the co-curricular activities offered?
6. Do you find library & lab-resources adequate for studies?
7. How satisfied are you with the university's digital platform?
8. Do you feel your feedback is taken seriously by university?
9. Would you recommended KR Mangalam university to relative?
10. Any suggestion for improvement.



## Task-2: Simulated Data Collection

A sample of 12 students was recorded. The data below represents students feed back on a 5 point scale where 1 = very dissatisfied and 5 = very satisfied

Respondents	Satisfaction	Infrastru- cture	Faculty Support	Digital Platform	Recommen- dation University
Umesh	4	4	5	4	5
Rajiv	3	4	3	3	4
Toran	1	2	4	4	3
Nimesh	5	5	5	5	5
Jagrit	2	3	4	4	4
Shyam	5	3	3	2	3
Bhupesh	3	4	5	4	5
Satyam	1	4	5	5	5
Harman	2	3	2	3	2
vigrit	3	4	4	4	4
Kunal	5	4	4	3	3
vishesh	4	5	5	5	5



### Task-3 Data cleaning process

- 1) Removing duplicates: One Respondent had submitted the survey twice, the duplicate row was deleted.
2. Handling missing values: For one entry with a missing faculty support rating the average score (4) was used to fill in the value.
3. Correcting Inconsistent formatting: In some responses text-based rating like five were replaced with numerical values (5)
4. Standardisation: All columns were formatted to numeric scale (1-5) for easy analysis.
5. Validation: The data set was reviewed to confirm there were 12 unique & complete values.

### Task 4 - Ethical consideration in Data collection

- 1) Informed consent: Participants were informed about the purpose of the survey before participation.
- 2) Anonymity: Names or identifiable details were not collected only response were recorded.



- 3) Confidentiality : All collected data was stored securely & Shared only for academic purpose.
- 4) Voluntary participation : Respondents had the choice to skip any questions they were not comfortable answering.
- 5) Integrity : No manipulation or falsification of responses was done to influence outcomes.