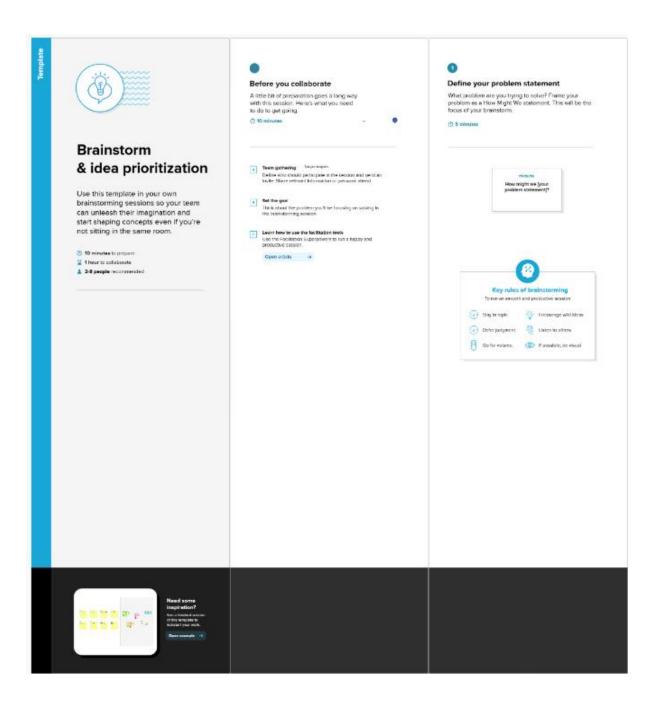
# Ideation Phase Brainstorm & Idea Prioritization

Date	28 June 2025
Team ID	LTVIP2025TMID49154
Project Name	Comprehensive Analysis and
	Dietary Strategies with Tableau:
	A College Food Choices Case
	Study
Maximum Marks	4 Marks

# 1. Brainstorming & Problem Identification







#### Group ideas

Take turns sharing your kidese while clustering similer or rolated notes as you go. Once all sticky notes have been grouped, give each cluster a somence like label. If a cluster is bigger than six sticky notes, try and see if you and breek it up into smaller sub-groups.





2.1 Context and Motivation In modern academic environments, the dietary habits of college students have a significant influence on their physical well-being, mental health, and academic performance. With busy schedules, inconsistent meal patterns, and limited nutritional awareness, students often fall into unhealthy eating routines. This challenge presents an opportunity for data-driven intervention.

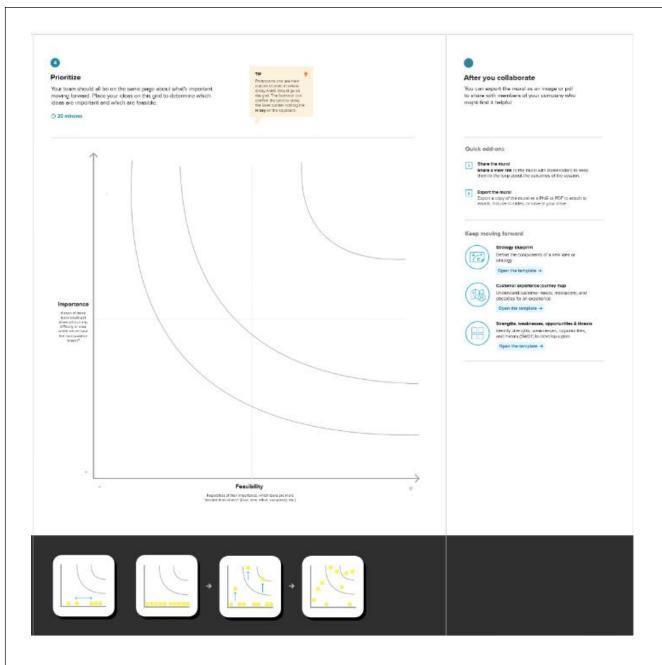
2.2 Problem Statement "How can we leverage data"

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- 2.3 Project Vision The project aims to build a comprehensive, interactive dashboard using Tableau, integrated into a Flask-based web\_platform. This system will visualize complex dietary datasets and help universities.
- 2.4 Brainstorming Questions During ideation, the following guiding questions shaped the analytical and technical scope of the project:
- What dietary patterns can be identified across student demographics?
- How do lifestyle habits (e.g., cooking, exercise, sleep) correlate with GPA and self-perceived health?
- Can real-time data visualization help in early identification of health issues?
- How can data be used to encourage healthier eating habits institution-wide?

#### 2.5 Tool Selection Rationale

- Tableau: For its powerful data visualization, ease of data preparation, and dynamic dashboard creation.
- Flask: To create a lightweight yet flexible user interface for hosting the dashboards.
- CSV Dataset: A structured and easily readable format for dietary, behavioral, and demographic data.





### 1.1 Context and Motivation

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## 1.2 Problem Statement

"How can we leverage data visualization tools to monitor, understand, and improve the dietary choices of college students?"

# 1.3 Project Vision

The project aims to build a comprehensive, interactive dashboard using Tableau, integrated into a Flask-based web platform. This system will visualize complex dietary datasets and help universities:

- Monitor nutrition and health trends in real-time
- Identify unhealthy eating patterns or deficiencies
- Enable predictive planning and personalized interventions
- Support awareness programs and informed resource allocation

# 1.4 Brainstorming Questions

During ideation, the following guiding questions shaped the analytical and technical scope of the project:

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