

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	04 November 2023
Team ID	NM2023TMID06843
Project Name	Project - Unleashing the Potential of Our Youth: A Student Performance Analysis
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions. Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

#### Step-1: Team Gathering, Collaboration and Select the Problem Statement

### Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

⌚ 10 minutes to prepare  
⌚ 1 hour to collaborate  
👤 2-8 people recommended

**➔ Before you collaborate**

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

⌚ 10 minutes

- ➦ **Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- ➦ **Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.
- ➦ **Learn how to use the facilitation tools**  
Use the facilitation superpowers to run a happy and productive session.

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**1 Define your problem statement**

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⌚ 5 minutes

PROBLEM

How might we [your problem statement]?

**Key rules of brainstorming**

To run a smooth and productive session

⌚ Stay in topic

⌚ Defer judgment

⌚ Go for volume

💡 Encourage wild ideas

👂 Listen to others

👁️ If possible, be visual

**PROBLEM STATEMENT:**

The problem statement for the project "Unleashing The Potential Of Our Youth: A Student Performance Project Using Data Analytics" can be summarized as:

"Many students face academic underperformance, and the challenge is to use data analytics to identify at-risk students early and provide effective interventions to improve their academic outcomes."

## Step-2: Brainstorm, Idea Listing and Grouping

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### Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

#### TIP

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

#### Person 1

Develop advanced AI predictive models to identify students at risk of underperformance.

Implement a comprehensive data analytics platform that integrates academic, attendance, and socio-economic data for real-time analysis.

Enhance data security measures, including encryption and access controls, to protect sensitive student information.

Ensure that teachers and administrators have access to timely insights to support struggling students and initiate early interventions.

#### Person 2

Create personalized learning pathways for each student that adapt to their individual needs, learning styles, and progress.

Develop user-friendly platforms that empower teachers to tailor their teaching methods to students' unique requirements.

Provide professional development opportunities for teachers to enhance their data literacy and teaching strategies, aligning with the goal of personalized learning.

Foster a culture of data-informed instruction to align teaching strategies with individual student needs.

#### Person 3

Establish a feedback mechanism that systematically collects input from all stakeholders, including students, teachers, parents, and administrators.

Use the feedback mechanism to continuously refine project strategies and resources, ensuring alignment with stakeholder needs and goals.

Promote transparency and inclusivity in the project's decision-making process, ensuring that every stakeholder's voice is heard.

Maintain a collaborative environment where project improvements are a result of collective input and shared ownership.

#### Person 4

Create support networks and peer mentoring programs to build a sense of community and mutual assistance among students.

Gather regular feedback from students to ensure that these support initiatives align with their needs and preferences.

Provide resources and guidance for students to actively engage in their education, set personal goals, and take ownership of their learning journey.

Prioritize student engagement and emotional well-being, understanding their needs as the central focus of the project.

## Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

### TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themed within your mural.

#### Group 1

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#### Group 4

Create support networks and peer mentoring programs to build a sense of community and mutual assistance among students.

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Develop advanced AI predictive models to identify students at risk of underperformance.

## Step-3: Idea Prioritization

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### Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

#### TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.

