


## Ideation Phase

### Brainstorm & Idea Prioritization Template

|               |   |
|---------------|---|
| Date          |   |
| Team ID       | NM2023TMID03215   |
| Project Name  | Unleashing the Potential of Our Youth: A Student Performance Analysis |
| Maximum Marks | 4 Marks   |

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

Template



### 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

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#### 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

The session starts with the introduction of the team leader Subashree S K , along with the team members Susmitha S , Kaviya K , Kavya R S . This session focuses on gathering the ideas for the topic " Unleashing the potential of our youth : A student performance analysis "

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#### Set the goal

To develop a comprehensive and user-friendly system for assessing and improving students' academic performance through data analysis and actionable insights.

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#### Learn how to use the facilitation tools

Create a welcoming environment that encourages participation and idea sharing  
Focus on the defined goal of improving student performance  
Usage of visual aids and technologies to enhance data analysis and presentation of insights  
Maintain a positive and enthusiastic demeanor to keep the team motivated and engaged

[Open article](#) ➔

1

#### Define your problem statement


How might we develop a data-driven system that effectively identifies student performance trends and provides actionable insights to enhance academic outcomes for all students?

🕒 5 minutes

PROBLEM

How might we [your problem statement]?

Data Privacy and Security  
Data quality  
Access to data  
Technical challenges  
Cost and Resource Constraints



#### Key rules of brainstorming

To run a smooth and productive session

- 👤 Stay in topic.
- 💡 Encourage wild ideas.
- ⏸️ Defer judgment.
- 👂 Listen to others.
- 🗣️ Go for volume.
- 👁️ If possible, be visual.

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## 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 fit the pencil (perfect to scratch) with to start drawing!

Person 1

Data collection and integration  
Test and exam performance analysis  
Learning style identification  
Subject-specific performance data

Person 3

Customizable dashboards for educators  
Parental involvement in student analysis  
Adaptive learning pathways  
Feedback loop for educators and students

Person 2

Predictive analytics for student success  
Study habit evaluation  
Parent and teacher feedback integration  
Grade tracking

Person 4

Real-time performance alerts  
Data visualization and infographics  
Data storage and data protection  
Periodic analysis of data to improve the performance

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### 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, break up, organize and compare important ideas as themes within your group.

#### Data Collection and metrics :

1. Collecting data
2. Test grades and scores
3. Learning style assessment
4. Personal growth metrics

#### Predictive analysis:

1. Early warning systems
2. Predictive success factors
3. Trend analysis for student outcomes

#### Feedback and Improvement :

1. Teacher feedback integration
2. Goal setting and tracking
3. Long term planning support

#### Technology and tools:

1. Data dashboards
2. Data visualization and infographics
3. Real time performance alerts

## 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.

