

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	29 January 2026
Team ID	LTVIP2026TMIDS84120
Project Name	Weather-Based Prediction of Wind Turbine Energy Output: A Next-Generation Approach to Renewable Energy Management
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming for weather-based wind energy prediction creates a collaborative and innovative environment where researchers, data scientists, and energy engineers can freely explore ideas for improving turbine output forecasting. By emphasizing the generation of diverse concepts such as advanced machine-learning models, weather parameter selection, feature engineering strategies, and real-time prediction systems teams can uncover novel approaches to renewable energy management.

Through structured idea prioritization, the most feasible and impactful concepts based on criteria such as prediction accuracy, scalability, computational efficiency, and practical deployment are selected for development. This ensures that innovative brainstorming outcomes translate into effective next-generation wind energy prediction systems, even when teams collaborate remotely.

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

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.
- 💡 Encourage wild ideas.
- ⌚ Defer judgment.
- ⌚ Listen to others.
- ⌚ Go for volume.
- ⌚ If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

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!

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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 ideas as themes within your mural.

Step-3: Idea Prioritization

4

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

Importance

If each of these tasks could get done without any other task, which would have the most positive impact?

TIP Participants can use their cursors to point at where they think ideas should go on the grid. The facilitator can confirm the spot by using the laser pointer and hitting the H key on the keyboard.

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)