Brainstorm & ideaprioritization

Utilize this template during your own brainstorming meetings to enable your team to let their creativity run wild and begin developing notions even if they are not physically there.

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

Share template feedback

Before you collaborate

With this session, a little amount of preparation goes a long way. Here are the steps you must take to begin.

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.

Open article

Define your problem statement

What issue are you attempting to address? Create a How Might We statement about your issue. You'll concentrate your brainstorming on this.

5 minutes

PROBLEM
The use of wind energy in the global energy supply is growing. The weather conditions at a wind farm's location have a significant impact on the amount of energy it produces. Energy providers can more effectively coordinate the cooperative production of various energy sources if the output can be predicted more precisely, preventing

Key rules of brainstorming
To run an smooth and productive session

Stay in topic.
Encourage wild ideas.
Defer judgment.
Listen to others.

Go for volume.
If possible, be visual.

Brainstorm

Any thoughts you have that pertain to your problem statement should be written down.

10 minutes

TIP
You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Tarun H

Wind power is gaining popularity due to its renewable nature and environmental friendliness.

we can carry out publicly available weather and energy data for a wind farm.

we predict energy based on weather data and analyze the important parameters

We map weather data to energy prediction and derive analysis

Shasti Alagan R

The energy output of a wind farm is highly influenced by the local weather and geography.

A real time prediction system of output power is crucial for a wind farm.

We investigate the effect of various weather conditions on wind farm energy output.

Fuzzy model approach provides an interpretable model structure

Monish Kumar S.S

In order to prevent expensive overproduction, we should forecast the exact output.

Using the precise output, energy providers can more effectively coordinate the collaborative for various energy sources.

We analyze the correlation of diff erent components that characterize the weather conditions

We collect the historical data through the Supervisory Control and Data Acquisition system of wind farms and then fitting curves

Akash R

We use symbolic regression modeling to cope up with interaction of the different parameters.

Rotor RPM wind direction is taken into consideration for determination

User can upload their own real time dataset (csv or xlsx format) for forecasting.

We check frequency of wind speed and determine it's output energy

TEAM:

Diameter of the rotor of a wind turbine plays a major role

Wind directions, wind speed and its outdoor temperature are input paramaters

Number of windmills in a wind farm influences energy output.

Past climatic conditions of the wind farm area are used in the analysis of energy prediction

Group ideas

Share your thoughts in turn while grouping together notes that are similar or relevant as you go. After grouping all of the sticky notes, give each cluster a label that sounds like a sentence. If a cluster contains more than six sticky notes, try to divide it into more manageable subgroups.

20 minutes

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

Inputs

Check for height of windmill and determine the energy output

Wind directions, wind speed and its outdoor temperature are input paramaters

We check frequency of wind speed and determine it's output energy

Approaches

We examine the relationship between various elements that define the weather conditions.

We can carry out publicly available weather and energy data for a wind farm.

We collect the historical data through the Supervisory Control and Data Acquisition system of wind farms and then fitting curves

Fuzzy model approach provides an interpretable model structure

To deal with the interplay of the various parameters, we employ symbolic regression modelling.

Factors contributing to output

The direction of the wind is considered to determine the rotor RPM.

Number of windmills in a wind farm influences energy output.

Diameter of the rotor of a wind turbine plays a major role

Results

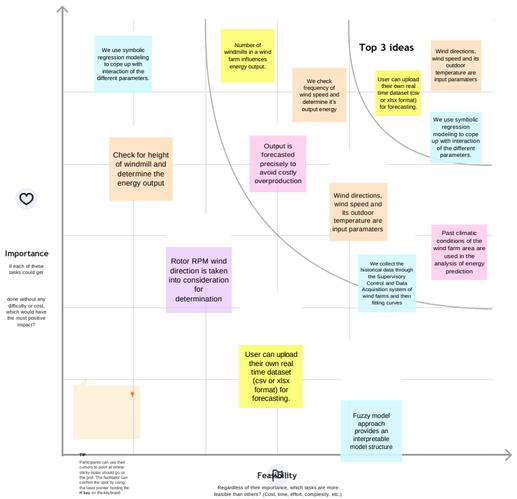
Past climatic conditions of the wind farm area are used in the analysis of energy prediction

Output is forecasted precisely to avoid costly overproduction

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



After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

Share the mural
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

Export the mural
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.
Open the template

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.
Open the template

Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
Open the template

Share template feedback

Need some inspiration?
See a finished version of this template to kickstart your work.
Open example