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

Share template feedback

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.

Open article

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

Predicting the energy output of wind turbine based on weather condition

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. ,

2 Brainstorm

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

10 minutes

BHARATH

- Check wind direction and wind speed in different outdoor temperatures
- Analyze model performance on different sites
- Check frequency of wind speed and determine it's likely output energy
- Number of windmills in a wind farm contribute to energy output

DHANU

- Check for height of windmill and determine the energy output
- Diameter of the rotor of a wind turbine plays a major role
- Climatic condition of the wind farm is used primarily to calculate output energy
- output is forecasted accurately hence energy providers can keep away from costly overproduction

MUGESH

- Rotor RPM wind direction is taken into consideration for determination
- collect the historical data through the Supervisory Control and Data Acquisition system of wind farms and then fitting curves
- spatiotemporal correlation - winds in different places affect each other - so we can use LSTM-CNN joint model
- fuzzy model approach provides an interpretable model structure

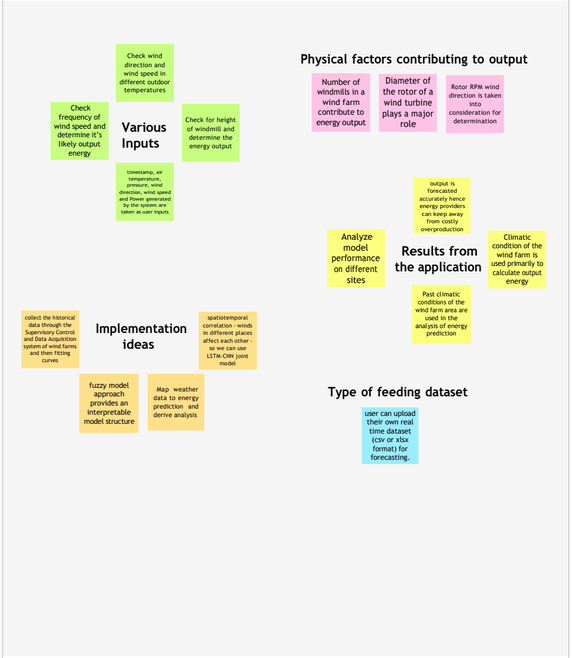
HARISH

- Map weather data to energy prediction and derive analysis
- Past climatic conditions of the wind farm area are used in the analysis of energy prediction
- user can upload their own real time dataset (csv or xlsx format) for forecasting.
- timestamp, air temperature, pressure, wind direction, wind speed and Power generated by the system are taken as user inputs

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 and break it up into smaller sub-groups.

20 minutes



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