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

Before collaborating on this session, we do a little bit of preparation like reviewing the key concepts, familiarizing ourselves with the tools we'll be using, and understanding the objectives will help us get the most relevant experience.

A little bit of preparation goes a long way in making our learning skills smoother and more productive.

⏱ 10 minutes

Team gathering
There are three team members in a team, where one is going to lead the project, another one is going to design and develop suitable visualizations, and the third one is going to provide insights into data sources and trends.

Set the goal
The primary goal of this project is to develop a Power BI solution that accurately predicts global food availability and trends using real-time data. To achieve a primary objective by integrating, cleaning, and preprocessing the data.

Learn how to use the facilitation tools
Ensure every team member contributes ideas and insights. Structure the session with clear steps: idea generation, grouping, and prioritization.

Open article →

Define your problem statement

Problem Statement: How can we effectively predict plant growth stages using environmental and management data to improve decision-making in agriculture?

⏱ 5 minutes

> **PROBLEM**
> How might we effectively predict plant growth stages using environmental and management data to improve decision-making in agriculture??

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.

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② Brainstorm

Following are some ideas which describs our project objectives:

⏱ 10 minutes

Juien mujawar
- Temperature trends
- Line graph for trends
- Irrigation schedules

Samrudhi Tibile
- Humidity patterns
- Fertilizer routines
- Interactive fertilizers

Samruddhi Magdum
- Soil moisture level
- Paste control methods
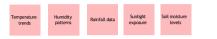- Forcasting tools

Ashutosh Magdum
- Sunlight Exposure
- Crop rotation plans
- Heat maps for hotspot

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③ Group ideas

Here are ideas which shared by every group member. And the clustering is also given for extra information.

⏱ 20 minutes

Cluster 1: Environmental Data
- Temperature trends
- Humidity patterns
- Rainfall data
- Sunlight exposure
- Soil moisture levels

Cluster 2: Management Data
- Irrigation schedules
- Fertilizer routines
- est control strategies
- Crop rotation plans
- Harvest timing

Cluster 3: Power BI Features
- Line graphs for visualizing growth trends
- Interactive filters for comparison
- Forecasting tools for future growth stages
- KPI indicators for crop health insights
- Heat maps for environmental influence

Group of Similar Clusters
- Environmental impact on crop yield
- Reducing crop wastage through prediction
- Top performing crop regions based on data
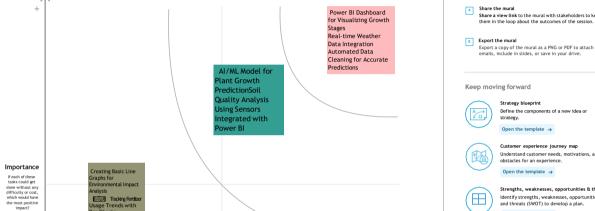- Effects of climate change on plant growth

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④ Prioritize

Placing our 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 difficulty or cost, which would have the most positive impact?

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

Ideas on grid:
- Power BI Dashboard for Visualizing Growth Stages / Soil Real-time Weather Data Integration / Automated Data Cleaning for Accurate Predictions
- AI/ML Model for Plant Growth Prediction / Soil Quality Analysis Using Sensors Integrated with Power BI
- Creating Basic Line Graphs for Environmental Impact Analysis / Tracking Fertilizer Usage Trends with Bar Charts
- Drone-based Soil Moisture Detection with Power BI Visualization / Building an Advanced Simulation Model for Predicting Climate Impact

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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 to 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 →

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