Brainstorm & idea prioritization

Brainstorming provides an open environment that encourages team members to participate in the creative thinking process that leads to problem solving.

- **10 minutes** to prepare
- **1 hour** to collaborate
- **2-5 people** recommended

Share template feedback

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

Open example

Before you collaborate

Before setting up the project, identify & clarify what to achieve which will give focus and direction.

🕐 10 minutes

Team gathering
Gather your team and share the ideas for the problem focused.

Set the goal
Set an objective for the project which must be concentrated throughout the session.

Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and productive session.

Open article →

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1 Define your problem statement

A problem statement is a concise description an issue which identifies the gap between the current state and desired state of a process or product.

🕐 5 minutes

PROBLEM
How might we get rid of the climatic changes , soil quality and crop damage ?

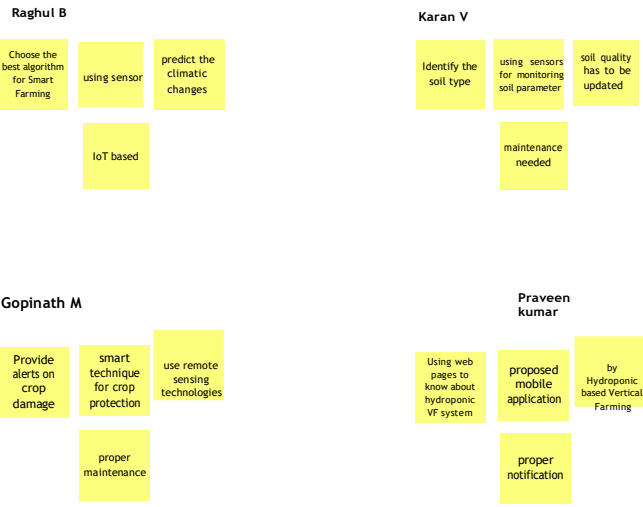**Key rules of brainstorming**
To run an smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

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2 Brainstorm

Exchanging ideas for the problem statement.

🕐 10 minutes

Raghul B
- Choose the best algorithm for Smart Farming
- using sensor
- predict the climatic changes
- IoT based

Karan V
- Identify the soil type
- using sensors for monitoring soil parameter
- soil quality has to be updated
- maintenance needed

Gopinath M
- Provide alerts on crop damage
- smart technique for crop protection
- use remote sensing technologies
- proper maintenance

Praveen kumar
- Using web pages to know about hydroponic VF system
- proposed mobile application
- by Hydroponic based Vertical Farming
- proper notification

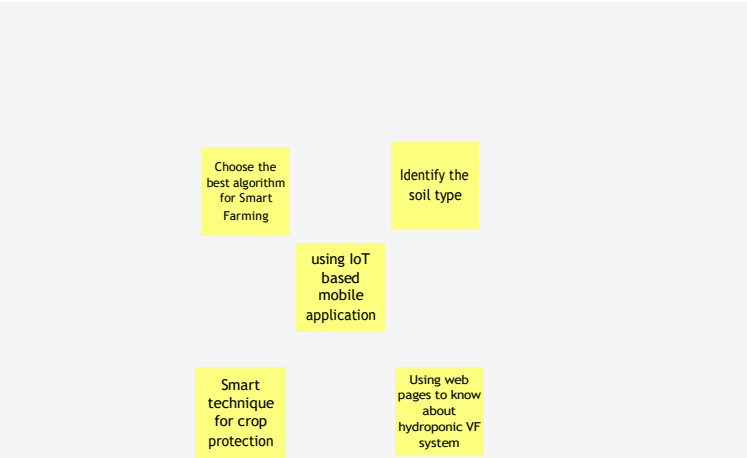## 3 Group ideas

Take turns sharing ideas while clustering similar or related notes. Listed are some of the shared ideas on Smart Farming.

🕐 20 minutes
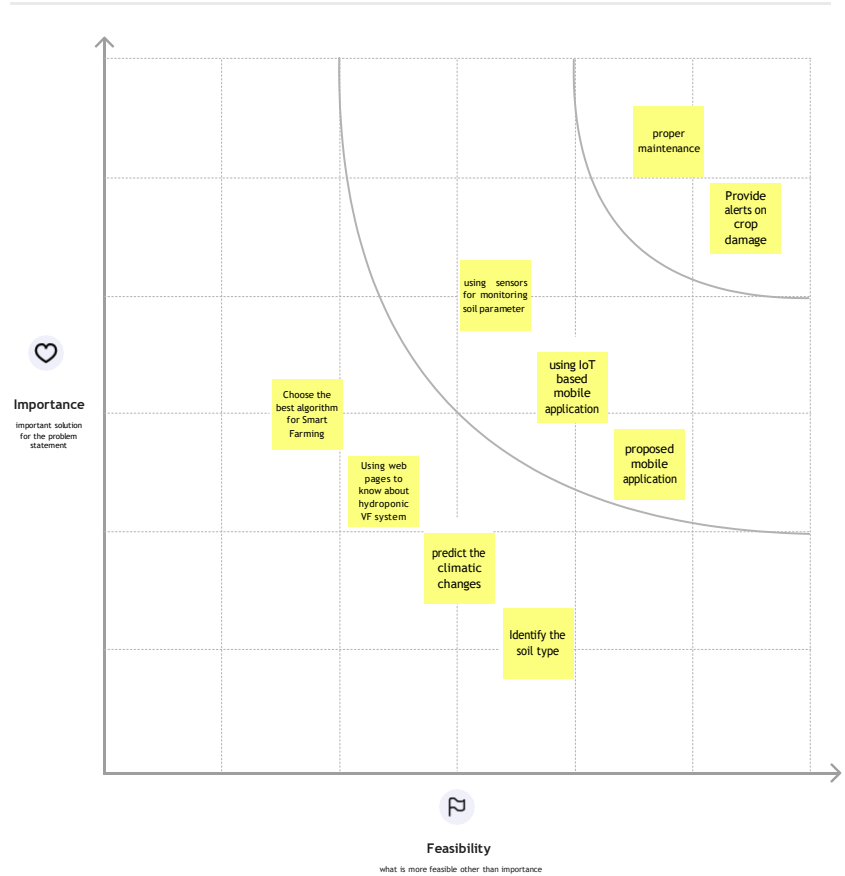
- Choose the best algorithm for Smart Farming
- Identify the soil type
- using IoT based mobile application
- Smart technique for crop protection
- Using web pages to know about hydroponic VF system

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4 Prioritize

Prioritize the ideas gathered based on the importance, feasibility and impacts.

🕐 20 minutes

Importance
Important solution for the problem statement

Feasibility
what is more feasible other than importance

Notes plotted: proper maintenance, Provide alerts on crop damage, using sensors for monitoring soil parameter, using IoT based mobile application, Choose the best algorithm for Smart Farming, proposed mobile application, Using web pages to know about hydroponic VF system, predict the climatic changes, Identify the soil type

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After you collaborate

Thus, this system avoids over irrigation, under irrigation, top soil erosion and reduce the wastage of water. The main advantage is that the system's action can be changed according to the situation crops, weather conditions, soil etc.). By implementing this system, agricultural, horticultural lands, parks, gardens, golf courses can be irrigated. Thus, this system is cheaper and efficient when compared to other type of automation system. In large scale applications, high sensitivity sensors can be implemented for large areas of agricultural lands.