


Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID29181
Project Name	Project–Smart Farmer-IoT Enabled Smart farming
Maximum Marks	4 Marks

Team Gathering, Collaboration and Select the Problem Statement

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

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➔

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

A

Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B

Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

C

Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

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problem statement

A person who has interested in implementing technology in agriculture to solve the problems in agriculture. He is moved into agriculture with his father. Since he is a beginner in farming he needs someone to guide him in the initial years and he plan to incorporate technology into farming to reduce the work and labor, improve productivity more yield, suggestions to improve soil, and next crop planting ideas. He is actively researching a few agri products that solve his problem. The problems are common to many beginning and experienced farmers.

Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

🕒 10 minutes

1 team leader	2 member	3 member	4 member
Maintaining the suitable atmospheric condition for storing the agricultural products	Automated rice seedling transplanting	Atmospheric pressure detection and water level management	Infrared identification of disease causing microorganisms
automatic sprinkler system for flowering plants	Pest control using IOT technology	IOT based cattle and poultry care	Microclimate control in apiculture
Soil pH identification	IOT based fish farm management and disease prevention	IOT for smart dairy farming	IOT based farmer produce and community management
Watering crops based on time and weather	Identifying the soil moisture level and maintaining it	Livestock and storage surveillance	IOT based cotton farming

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, 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

Atmospheric
pressure
detection and
water level
management

Watering
crops based
on time and
weather

Maintaining the
suitable atmospheric
condition for storing
the agricultural
products

Identifying the
soilmoisture
level and
maintaining it

automatic
sprinkler
system for
flowering
plants

Infrared
identification of
disease causing
microorganisms

Soil pH
identification

Pest control
using
IOTtechnology

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

