# Ideation Phase Brainstorm&Idea Prioritization Template

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Date	15 September 2022
Team ID	PNT2022TMID24924
Project Name	Project – Smart Farmer-IoT Enabled Smart Farming Application
Maximum Marks	4 Marks

# **Brainstorm & Idea Prioritization:**

**Step-1: Team Gathering, Collaboration and Select the Problem Statement** 

Step-2: Brainstorm, Idea Listing and Grouping

**Step-3: Idea Prioritization** 



# **Brainstorm** & idea prioritization

For Smart Farming IoT enabled **Smart Farming Application** 

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



# 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.

# B 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







#### Brainstorm

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

① 10 minutes

## Anburaja

In farming watering the plants is one of the difficult process and they have to wait for the whole filed to pour water. He had to check the filed for 30 mins once These items will either increase revenues , reduce costs - maximising your profit while also having the potential to reduce environmental impact

we have set out several uses cases for the internet of things smart farming technology covering what, why and how

# Arun Pandi

The system would take measurements before transmitting the data to the cloud so that you can control it remotely.

Agricultural drones llow farmers to survey their fields with ease; using imaging technology to recognise disease, pests or other issues relating to growth.

Autonomous farm vehicles – reduce the human labour associated with driving and operating vehicles

# Karthick

There is real momentum behind loT technology in agriculture and farming with many analysts predicting both the marke and the adoption of Smar Agriculture technology to sky-tocket as more firms recognise the benefits

Traditional farming would be focused on acres of land, making general decisions based on historical data, experience and "feel". These decisions could determine the use of fortiliser, irrigation, pesticides and harvesting.

Systems can recommend calibrated doses of fertiliser, targeted irrigation and early identification of diseases or substandard

# Aswin

Celifornia produces 80% of the world's Almonds. A stucfound that a single Almond can consume 3 BL of wate to grow. With Smart farming soil moisture levels are monitored continuously, dramatically reducing unnecessary irrigation and watering.

IoT irrigation control.
Activate irrigation
valves when the soil
moisture drops below a
certain level.

Weather stations. The stations to monitor wind, rain, temperature and numidity are important factors in both arable and livestock farming



#### 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 and break it up into smaller sub-groups.

♠ 20 minutes

Temperature sensor,
Moisture sensor, water
sensor ,DC motor and GPRS
module it made farming to
ease . when the IOT based
agriculture monitoring
system start it checks the
water level, humidty and

Smart farming is a management concept focused on providing the agricultural industry with the infrastructure to leverage advanced technology- including big data, the cloud and the internet of things(IoT)- for tracking, monitoring, automating and analyzing operations

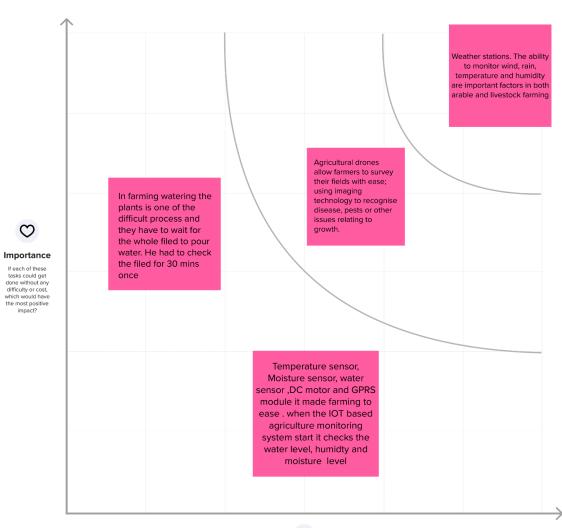
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## **Prioritize**

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.

① 20 minutes



 $\approx$ 

Feasibility

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