


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	26 Oct 2022
Team ID	PNT2022TMID35078
Project Name	Smart Farmer – IOT Enabled Smart Farming Application
Maximum Marks	4 Marks

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

Template



Brainstorm & idea prioritization

For Smart Farming - IoT enabled Smart Farming Application

⌚ 10 minutes to prepare
👥 1 hour to collaborate
👤 2-5 people recommended

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1

Problem statement for smart farmer

⌚ 5 minutes

PROBLEM

There is a pressure on farmers to increase food production while consuming less water and energy. a remote control & surveillance. Farmers will benefit from a system that effectively handle these pressures.

2

To run an smooth and productive session

- 👤 Stay in topic.
- 👤 Defer judgement.
- 🗣️ Go for volume.
- 💡 Encourage wild ideas.
- 👁️ If possible, be visual.
- 👂 Listen to others.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

⌚ 10 minutes

Vyshnavi

The majority of learners in the field are not computer-savvy, so they need to develop basic computer skills. This is a common challenge for everyone in the field.

One of the challenges in the field is that many learners are not computer-savvy. This is a common challenge for everyone in the field.

It is also to regulate the amount of water available for irrigation and choose the most advantageous use of resources, and finally, analyse trends in identifying the number of hectares of farms and drainage capacity in a city.

Nuhiya

Factors such as fertility, mortality, and sex ratio are important in determining the effect of a particular factor on the population. For example, a high fertility rate will tend to offset a high mortality rate, and a high sex ratio will tend to offset a high fertility rate. The effect of a particular factor on the population will be determined by the combination of these factors. For example, a high fertility rate and a high mortality rate will tend to result in a stable population, while a high fertility rate and a low mortality rate will tend to result in a growing population.

Lack of information, high adoption costs, security issues, and other issues are the primary problems to ICT in agriculture. Many farmers are unaware that ICT is being used in agriculture.

Charani Sri

the 1990s, the number of people in the world who are illiterate has increased by 100 million. In 1990, 750 million people could not read or write. By 2000, that number had risen to 850 million. The United Nations estimates that by 2015, the number of illiterate people in the world will reach 1 billion.

The information provided by computer threat protection technologies is critical to understanding and detecting malicious activity, and the detection is only as good as the information that is available. In addition, the collection of available information may be limited due to

Nandhika

It includes a CATS
module, a DCS kit,
temperature, moisture
and water level sensors.
It also has a 1000-
lb. scale and a 1000-
lb. scale. All of these
features are checked when
the CATS module
receives a signal
from the

Real-time data transfer
to the CATS module
allows you to see
exactly what's
happening in the
field. The CATS
module is also
compatible with the
CATS module.

In essence, the British made
 use of force of arms to make
 themselves a free nation and the
 British became a free nation
 because of the force of arms.
 The British made use of force of arms
 to make themselves a free nation
 and the British became a free nation
 because of the force of arms.
 The British made use of force of arms
 to make themselves a free nation
 and the British became a free nation
 because of the force of arms.

Lavanya

Subacute chronic hepatitis
 is a liver condition that is not acute but is not yet permanent. It is a liver condition that is not acute but is not yet permanent. It is a liver condition that is not acute but is not yet permanent.

The untrained person might be surprised to find that the first step in the process is to determine the cause of the problem. The first step is to determine the cause of the problem. The first step is to determine the cause of the problem.

[illegible]

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

One of the difficult tasks in farming is watering the plants, which requires them to wait until the entire field has been rained on. He once had to spend 30 minutes checking the field.

Using a temperature sensor, moisture sensor, water level sensor, DC motor, and GPRS module made farming easier. The IOT-based farm monitoring system starts by analysing the moisture, humidity, and water levels.

Smart farming is a management idea that aims to give the agricultural sector the infrastructure to use cutting-edge technology, such as big data, the cloud, and the internet of things (IoT), for tracking, monitoring, automating, and analysing processes.

Step-3: 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

