Ideation Phase
Brainstorm & Idea Prioritization Template

DATE	19 September 2022
TEAM ID	SmartFarmer - IoT Enabled Smart Farming Application
PROJECT NAME	PNT2022TMID26062
MAXIMUM MARK	4 marks

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

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

Open example

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.

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.

Open article

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

To make farming easier by choosing several constraints in agriculture and to overcome those constraints , to increase production quality & quantity using IOT.

Key rules of brainstorming
To run an smooth and productive session

Stay in topic.   Encourage wild ideas.

Defer judgment.   Listen to others.

Go for volume.   If possible, be visual.

Brainstorm

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

10 minutes

TIP
You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

Person 1

Smart precision in farming

coloring scales and increasing the climatic conditions to better farming

Using remote monitoring

By erecting the usage of root panicles

Person 3

Analysing the soil

Ty soInform farmer about the condition of crop

Helps to plant crops according to the weather conditions analysed

Person 4

ratibue to uses weareholee to soline the problem with the crops

wireless cell relay setup done with sensors and wumble

smart farming using IOT

smart analysis and planning

Person 2

by identifying the nutrient in the soil and to choose which crop suits the soil

to identify the temperature and the moisture in air

it involves both feedback and software

to identify the mineral contents

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go.
In the last 10 minutes, 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

Nowadays Internet of Things (IoT) technology is one of the fastest growing fields in different domains including agriculture

IOT improves the quality of our lives by bringing and fostering changes in many fields of activities to make them become handy, smart and endowed by sufficient artificial intelligence.

Smart farming systems know a cultural change towards modern agriculture which is more productive ,consuming less water and even cheaper.

TIP
Add customisable tags to sticky notes to make it easier to find, browse, organize, and categorise important ideas as themes within your mural.

The main goal of my project is to use IoT in the agriculture field in order to collect data instantly soil moisture, temperature which will help one to monitor some environment conditions remotely.

The present prototype is developed using arduino technology,which comprise specific sensors and wifi module that helps to collect instant data online.

Worth mentioning the testing of this prototype generated , highly accurate data because while we were collecting them remotely any environmental changes were detected instantly and taking in consideration to make decisions.

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

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

♡

By using smart sensors monitoring the farm's climatic conditions etc.,

Smart collars on cattle provides information about their health etc.

Automatic systems for irrigation and fertilization .

Developing IoT and communication

To monitor farms using drones.

Using cloud storage,growers can access information about their farmers

TIP
Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.

To increase productivity.

⚐

Feasibility

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 in 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 →

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