DATE	19 SEPTEMBER 2022
TEAM ID	PNT2022TMID01028
PROJECT NAME	SMART FARMER-IOT ENABLED SMART FARMING APPLICATION
MAXIMUM MARKS	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

Share template feedback

➡️

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.

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**

PROBLEMS

*T.o. identify the weather
*To identify humidity, temperature
*to identify the production of crops

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

KALAIKAVIYA V B

KUMUDHA PRIYA T P

Humidity and Temperature arduino based microcontroller and sensors are used

IOT enables farmers to reduce water and enhance productivity

A smart green house designed with the help of IOT.

Data analytics,to improve the quality of our products and fertility of our lands.

If the soil moisture level decreases the farmers can deploy sensors to start the irrigation

Livestock tracking and geo fencing,wireless IOT application to collect data regarding the locations

Agricultural drones are used to monitor thingd like planting,crop spraying,crop health,crop monitoring.

Precision farming smart farming option allows us to track vehicles,manage our inventory and monitor our livestock with the touch of a button.

ANANDHI P

GAYATRI PADMA SREE

IOT system has made possible the invention of hydroponics and aeroponics

Better control over the internal processes and,as a result,lower production risks.

Water management can be efficiently done using the iot systems with no wastage of water using sensors.

Uses satellite imagery to detect the different zones in farms.

Just like crop monitoring,there are iot agriculture sensors that can be attacked to the animals on a farm to monitor their health and log performance.

Efficiency of irrigation pump used for smart irrigation system

The benefits od using drones contain crop health imaging,integrated GIS mapping,ease of use,saves time and potential to increase crop yields.
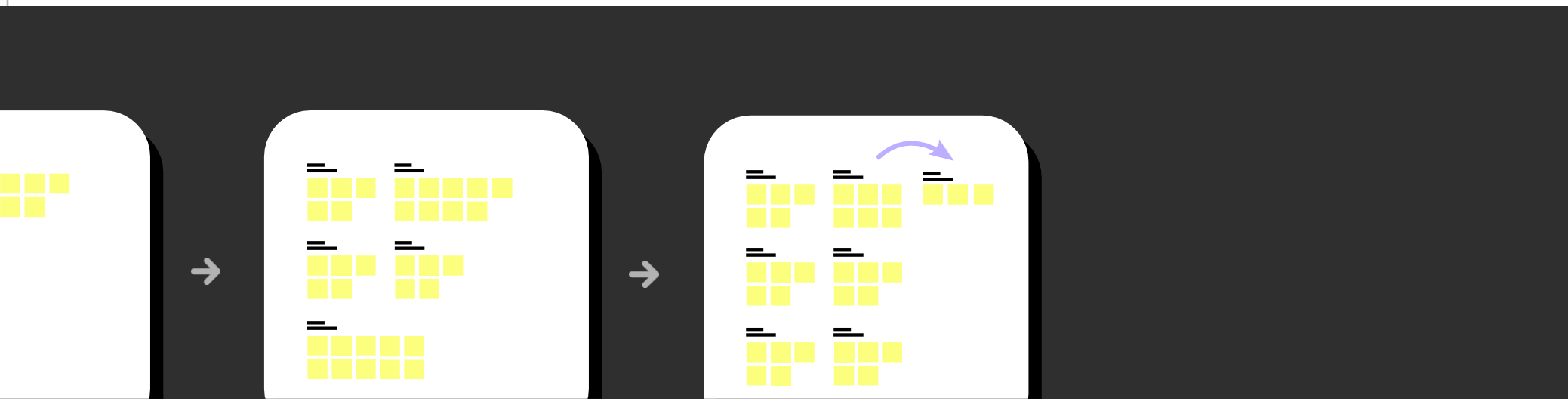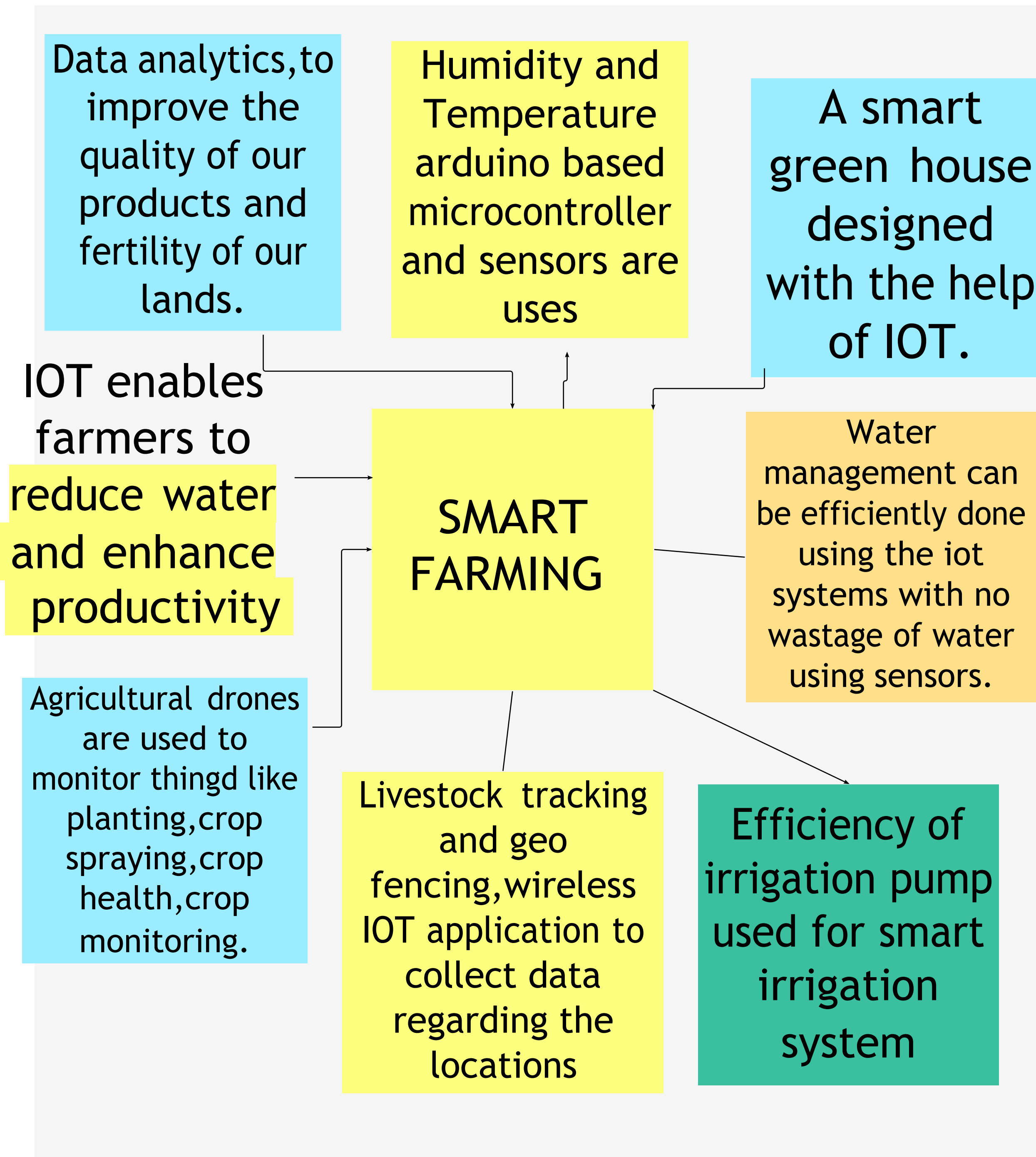
Image processing using IOT incorporates comparing images from a database with images of standing crops to determine the size,shape,color,growth.
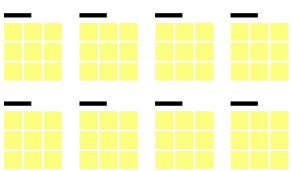
Group ideas

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**

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IOT enables farmers to reduce water and enhance productivity

SMART FARMING

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Livestock tracking and geo fencing,wireless IOT application to collect data regarding the locations

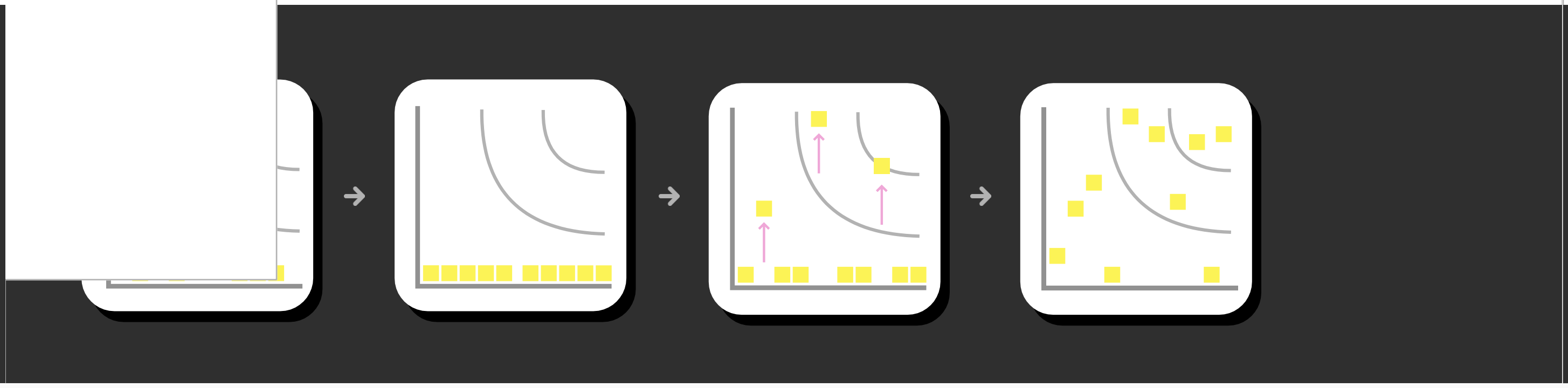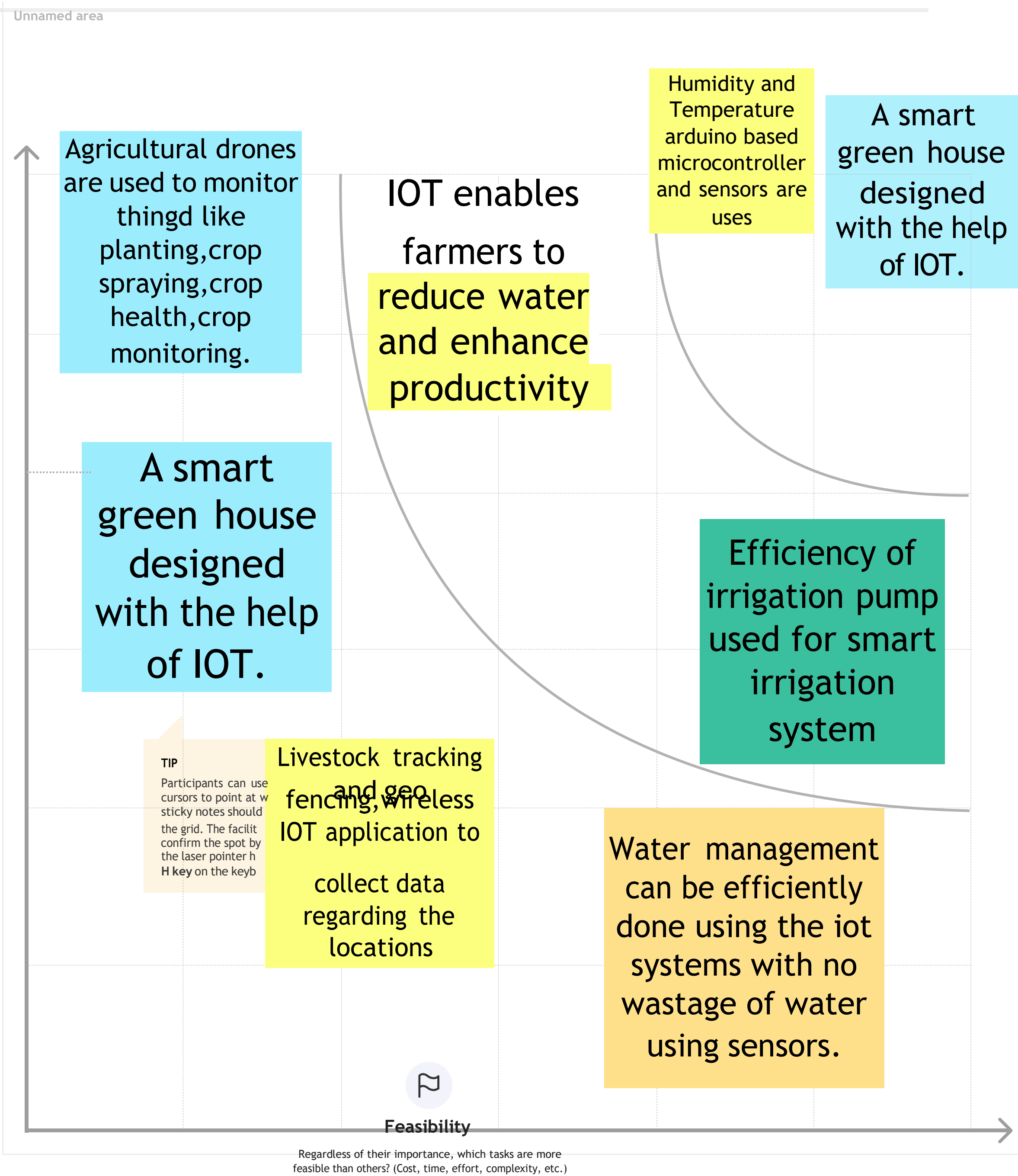Efficiency of irrigation pump used for smart irrigation system

e on the same page about what's important
your ideas on this grid to determine which
nd which are feasible.

Unnamed area

A smart
en house
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h the help

of IOT.

Water

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fficiently done
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ems with no
age of water
ng sensors.

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n pump

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Agricultural drones
are used to monitor
thingd like
planting,crop
spraying,crop
health,crop
monitoring.

IOT enables

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Humidity and
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A smart
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designed
with the help
of IOT.

Efficiency of
irrigation pump
used for smart
irrigation
system

TIP

Participants can use
cursors to point at w
sticky notes should
the grid. The facilit
confirm the spot by
the laser pointer h
H key on the keyb

Livestock tracking
and geo
fencing,wireless
IOT application to

collect data
regarding the
locations

Water management
can be efficiently
done using the iot
systems with no
wastage of water
using sensors.

⚐

Feasibility

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

➡️

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

A **Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

B **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
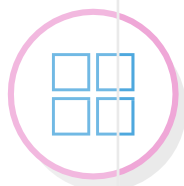Define the components of a new idea or strategy.

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 →

💬 **Share template feedback**