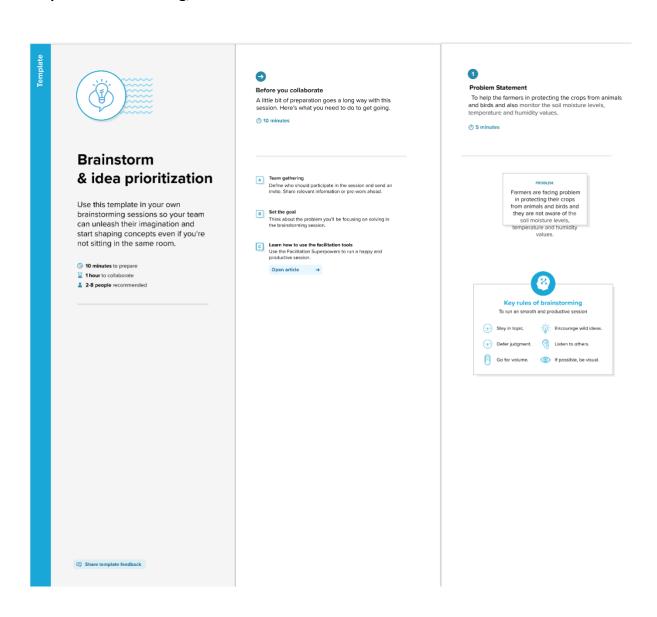
### **Ideation Phase**

# **Brainstorm & Idea Prioritization Template**

Date	19 September 2022
Team ID	PNT2022TMID34075
Project Name	IoT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

## **Brainstorm & Idea Prioritization Template:**

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



#### Step-2: Brainstorm, Idea Listing and Grouping



#### **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!

#### AATHIRA. S

### ATHIRA I

The irrigation scheme helps in protecting the farms from animals and

Elements and
Pycno are used
to monitoring
the climate
conditions

Reducing Flood Damage with Wireless Water

### ABHIRAMI J.S

AKSHAYA .I

sensors to detect the animals and send signal to the controller

# ANU L. S

Use motion signal to detect wild animals approaching near the field

about the farm circumstances is given to the farmer through



#### **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.

① 20 minutes

We can build a virtual fence instead of making a physical fence.It is safe for the farmers and for the wild animals as

We can use a moke sensor to identify the from the fire

We can use a soil to detect the volumetric water content in the

sensors to detect the animals and send signal to the controller

MaxBotix

Use motion signal to detect wild animals approaching near the field

> When the fire on our farm then we have received a re message by the smoke sensor that detect the fire

Cropx and Mothive sensors helping farmers to reduce waste,improve yields and increase farm sustainability

The irrigation scheme helps in protecting the farms from animals and pests

Reducing Flood

Damage with leak sensors

Sense fly agriculture done eBee sQ uses multispectral image

about the farm circumstances is given to the farmer through

Elements and Pycno are used the climate

#### **Step-3: Idea Prioritization**



#### 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



# Feasibility

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