

# Ideation Phase

## Brainstorm & Idea Prioritization

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

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#### 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

##### PROBLEM

How might we able to come up with a better solution for sustainable farming using modern technologies?

##### PROBLEM

How might we able to create a better environment for farmers?

##### PROBLEM

How might we able to secure their farming feild using morden technologies?

##### PROBLEM

How might we able to make the life of farmes easier by securing the crop and grate yield?

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

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### Brainstorm

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

🕒 10 minutes

HARISH KANNA

Automation  
detection of  
moveing  
objects

Detecting wild  
anoimals by  
using thermal  
images

Detecting  
the bieds  
by using  
ultrasonic

Sending  
video or  
image to  
farmer

FAYAZ AHAMMED

Automatic  
fire  
detaction

Water Level  
detection

Wather  
monitoring

Identifiy the  
wind  
direction

BALAKUMARESAN

Automation  
water flow  
control

Finding soil  
type and  
recommanding  
crop

Soil  
Moisture  
sencing

Crop  
tracking

DHANAJEBAS

Prior  
cultivation  
remanider

Estimated  
yield  
caculation

Controlled  
irrigation

Updated  
notification

## 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

## Idea grouping

<div>Automation detection of moving objects</div> <div>Automatic fire detection</div> <div>Detecting the birds by using Ultrasonic</div> <div>detecting yield by using thermal images</div>	<div>Updated notification</div> <div>Sending video or image to farmer</div> <div>Crop tracking</div> <div>Estimated yield calculation</div> <div>Prior cultivation remainder</div>
<div>Water Level detection</div> <div>Soil Moisture sensing</div> <div>Automation water flow control</div> <div>Controlled irrigation</div>	<div>Weather monitoring</div> <div>Identify the wind direction</div> <div>Finding soil recommending</div>

## Step-3: Idea Prioritization

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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.

🕒 20 minutes

