

Ideation Phase

Brainstorm & Idea Prioritization

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

1

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 secureing the crop and grate yield?

Step-2: Brainstorm, Idea listing and Grouping

2

Brainstorm

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

🕒 10 minutes

B.Madhumitha

Automation
detection of
moving
objects

Detecting wild
animals by
using thermal
images

Detecting
the birds
by using
ultrasonic

Sending
video or
image to
farmer

E.Lavanyaa

Automatic
fire
detection

Water Level
detection

Weather
monitoring

Identify the
wind
direction

S.Kamali

Automation
water flow
control

Finding soil
type and
recommending
crop

Soil
Moisture
sensing

Crop
tracking

V.S.Krishnapriya

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 wild animals 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 reminder</div>
<div>Water Level detection</div> <div>Soil Moisture sensing</div> <div>Automation water flow control</div> <div>Controlled irrigation</div>	<div>Weather monitor</div> <div>Identify the wind direction</div> <div>Finding soil recommending</div>

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

