

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

V.ASWIN MUTHIAH

Automation detection of moving objects	Detecting wild animals by using thermal images
Detecting the birds by using ultrasonic	Sending video or image to farmer

A.ABDUL MAJID

Automatic fire detection	Water Level detection
Weather monitoring	Identify the wind direction

ESWARARAJU MONISH

Automation water flow control	Finding soil type and recommending crop
Soil Moisture sensing	Crop tracking

A.ANAS MOHAMED

Prior cultivation remainder	Estimated yield calculation
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 and 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 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

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

