

Ideation Phase

Brainstorm & Idea Prioritization

Date	09 September 2022
Team ID	PNT2022TMID05121
Project Name	Iot Based Smart Crop Protection System for Agriculture
Maximum Mark	4 Marks

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

Person 1

Automation
detection of
moveing
objects

Detecting wild
animals by
using thermal
images

Detecting
the bieds
by using
ultrosonic

Sending
video or
image to
farmer

Person 2

Automatic
fire
detaction

Water Level
detection

Wather
monitoring

Identifiy the
wind
direction

Person 3

Automation
water flow
control

Finding soil
type and
recommanding
crop

Soil
Moisture
sencing

Crop
tracking

Person 6

Prior
cultivation
remanider

Estimated
yield
caculation

Controlled
irrigation

Updated
notification

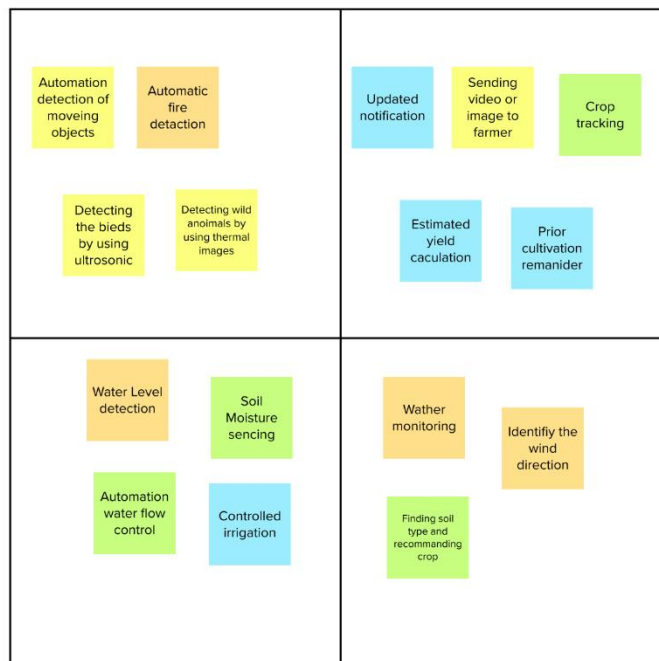
3

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



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

