

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID05038
Project Name	SmartFarmer - IoT Enabled Smart Farming Application
Maximum Marks	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 incorporate the modern technologies to have a better agriculture?

PROBLEM

How might we able to make the life of farmers easier by have a great yields and good nutritional produce?

Step-2: Brainstorm, Idea Listing and Grouping

⌚ 10 minutes

Person 1

Automated drone inspection	Soil moisture sensing
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Controlled irrigation	Nutrition content
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Person 2

Pest
notification

Prior climate sensing	Soil type identification
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Person 3

Identification of optimal growth condition	Crop tracking
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Yield monitoring	Real time nitrogen monitoring
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Person 4

Prior cultivation remainder	Estimated yield calculation
$100 - 100 \times \frac{100}{100 + 100} = 50$	$100 - 100 \times \frac{100}{100 + 100} = 50$

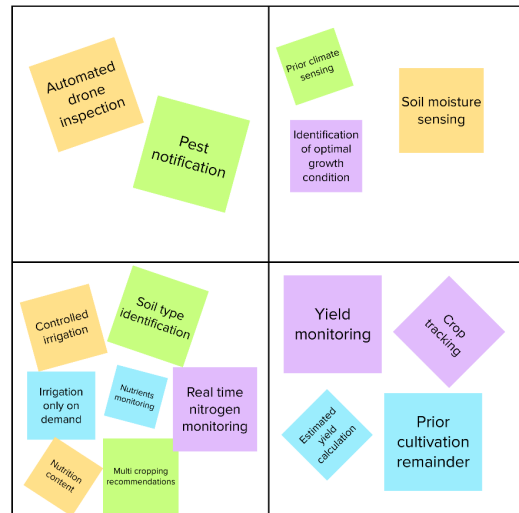
Irrigation only on demand	Nutrients monitoring
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3

Group ideas

⌚ 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

