

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID23529
Project Name	Smartfarmer – IOT enabled Smart farming Applications
Maximum Marks	4 Marks
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#### Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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





**OBJECTIVES**

To optimize the water consumption

To cultivate rare crops as well as normal crops

To design and develop a distributed data acquisition system

Mainly for the young generation to eat healthy and hygienic food

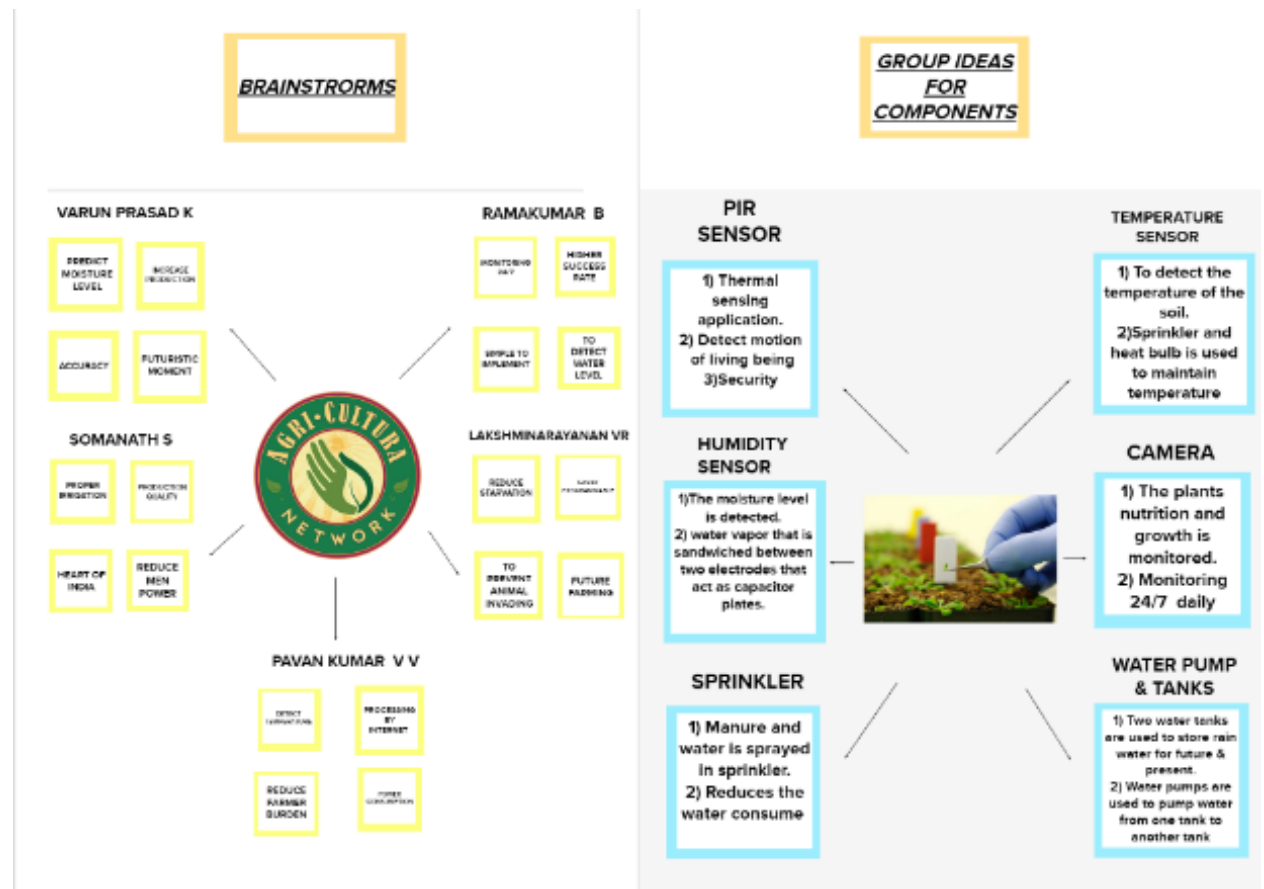
**PROBLEM STATEMENTS**

1) Water consumption.  
 2) Monitoring problems.  
 3) Temperature & Humidity maintenance.  
 4) Animals Invading.

**PROBLEM SOLUTION**

1) Water tanks are used for future & present  
 2) Camera is used for monitoring  
 3) Temperature & Humidity sensor is used for maintenance  
 4) PIR sensors is used.

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



## Step-3: Idea Prioritization



## Overall Block Diagram:

