Ideation Phase
Brainstorm & Idea Prioritization

Date	16 October 2022
Team ID	PNT2022TMID15968
Project Name	IoT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

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.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: https://www.mural.co/templates/empathy-map-canvas

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

TEAM GATHERING:

Our team gathered to improve qualities of the iot smart crop protection for Agriculture with different ideas and thoughts.

Collaboration:

We have collaborated to success our team goal to protect the agriculture crops.

The Problem Statement:

The significant problem which raises the requirement of this project was that the traditional agriculture method consumes time, manual labor work and is also not cost efficient and protect from any other disturbance like animals, weather.

Step-2: Brainstorm, Idea Listing and Grouping

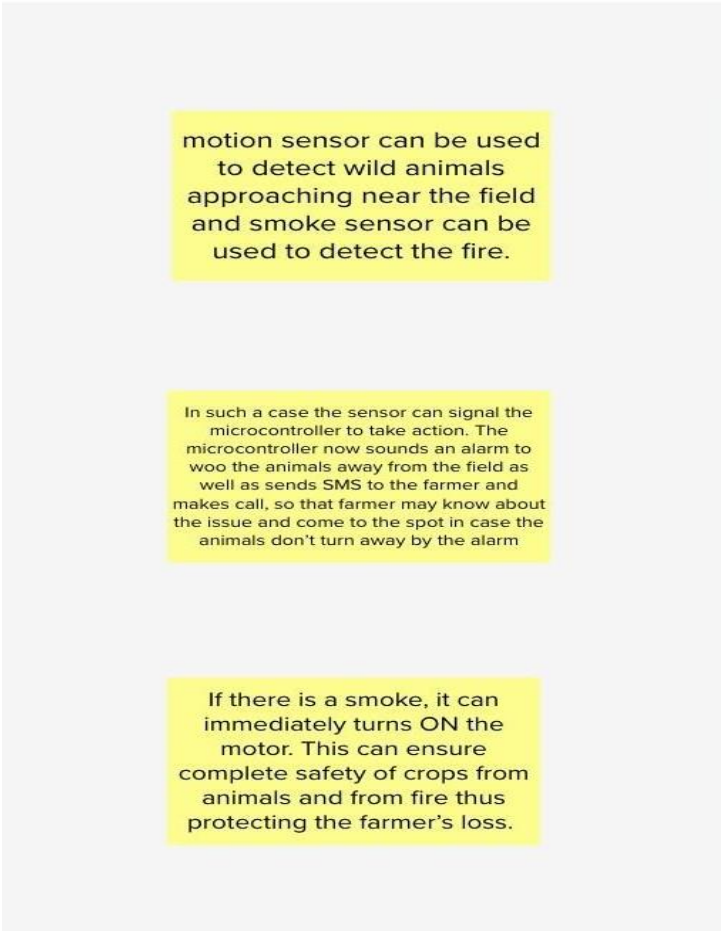
We can use motion sensor to detect animals movement & make noise, so that they run away

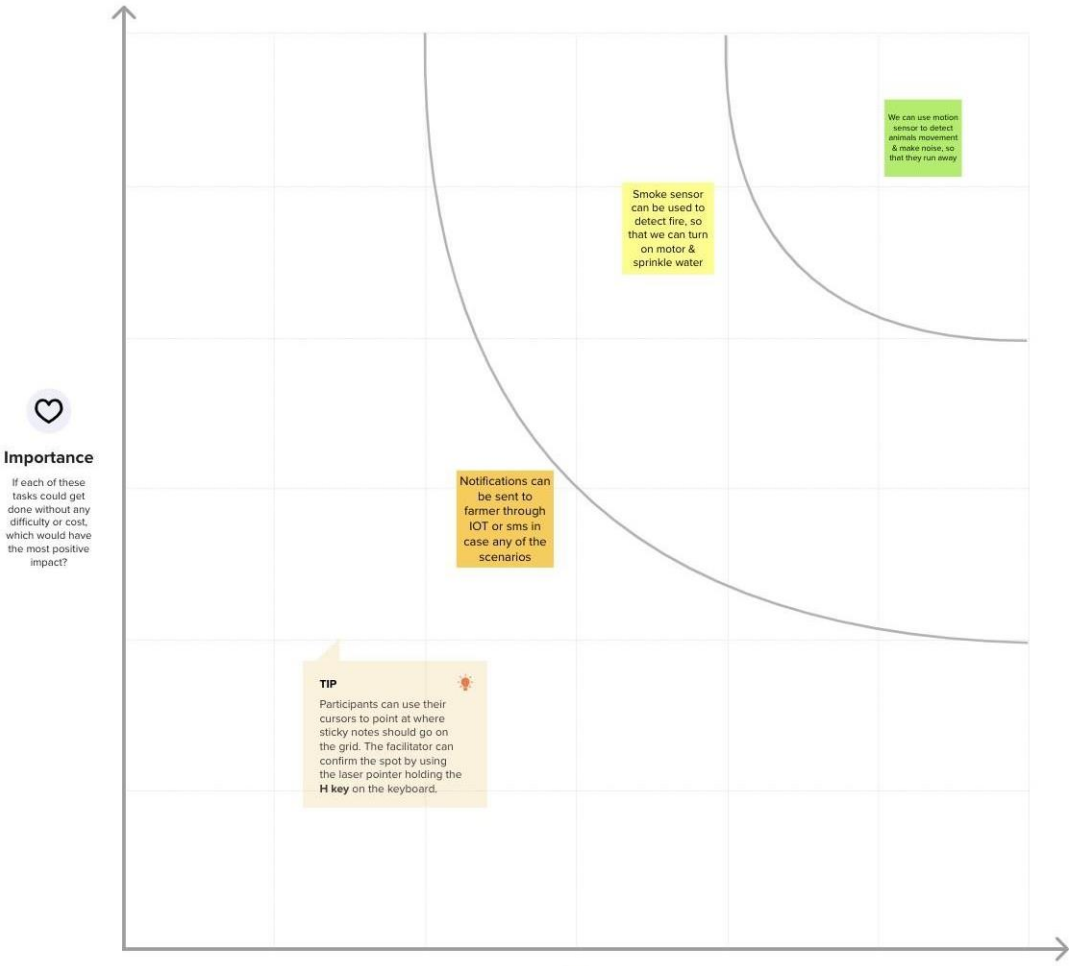
Smoke sensor can be used to detect fire, so that we can turn on motor & sprinkle water

Notifcations can be sent to farmer in case any of the scenarios

Based on notification through iot, farmer can take immediate action

Step-3: Idea Prioritization




Importance
If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?
We can use motion sensor to detect animals movement & make noise, so thet they run away
Smoke sensor can be used to detect fire, so that we can turn on motor & sprinkle water
Notifications can be sent to farmer through IOT or sms in case any of the scenarios
TIP
Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.