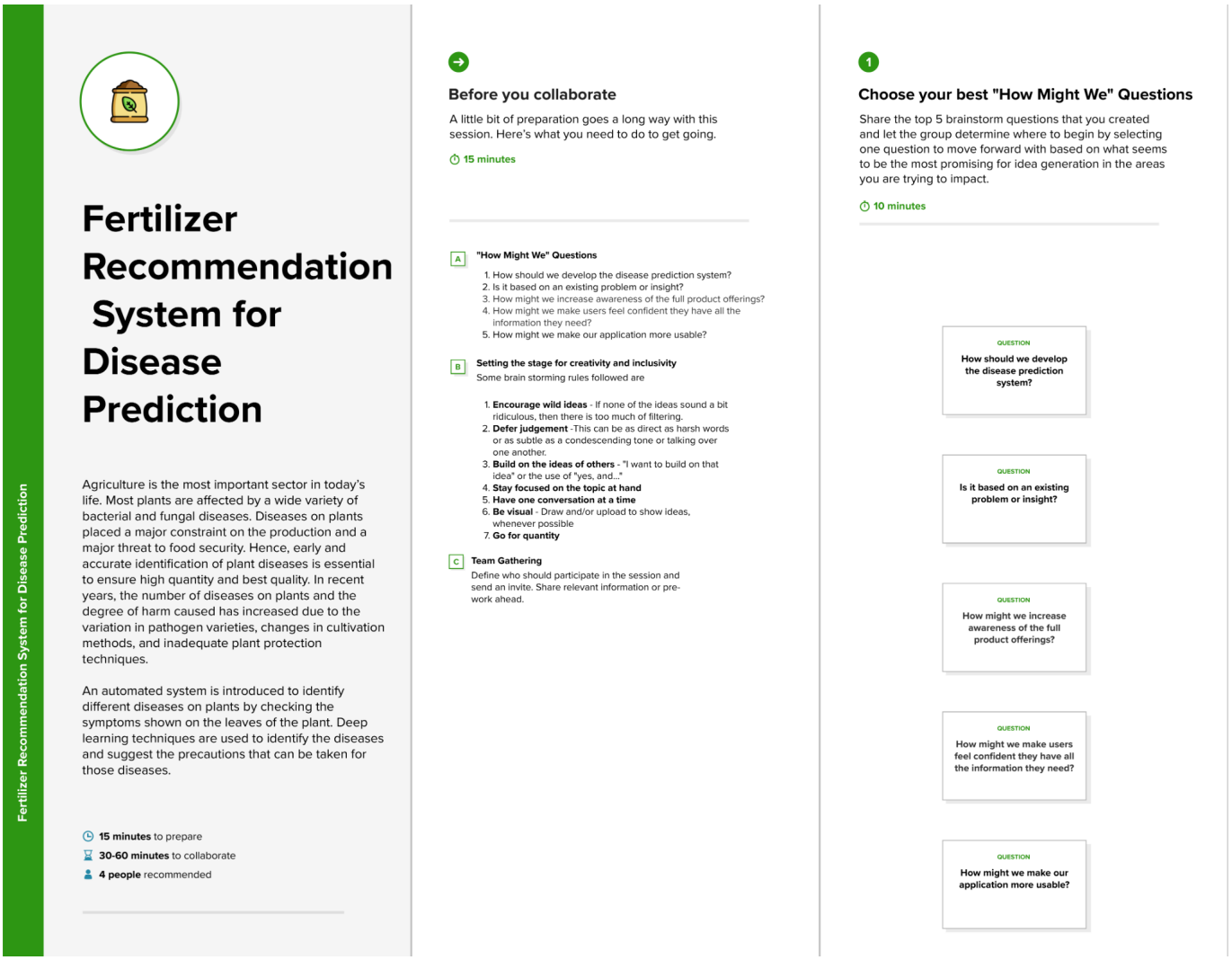
Ideation Phase
Brainstorm & Idea Prioritization

Date	22 September 2022
Team ID	PNT2022TMID13105
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	4 Marks

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



Step-2: Brainstorm, Idea Listing and Grouping

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Brainstorm solo

Have each participant begin in the "solo brainstorm space" by silently brainstorming ideas and placing them into the template. This "silent-storming" avoids group-think and creates an inclusive environment for introverts and extroverts alike. Set a time limit. Encourage people to go for quantity.

10 minutes

Dineshraja V

- Website for ferlizer Recommendation
- Admin can view the recommended fertilizer
- Interactive UI to upload images
- Identify User preferences
- Can create a smart chat bot to clear doubts
- Automation resolution of low quality images

Fatima Abdul Jabbar

- Provide location of the store where the fertilizer is available
- Provide offers and discounts who use this application
- Securing the data of the user
- Pre-trained model for image classification based on the disease
- Generating report for the suggested fertilizer
- Providing information about how much fertilizer to use

Naveena K S

- Build keras image classification model
- Responsive and easy to interact UI
- The application must be cross platform
- Using minimal amount of hardware resources for prediction
- Provide authorized person's suggestion along with the prediction
- Get the field size as input to predict the amount of fertilizer to be bought

Sree Resmi S

- Get review with images of the healthy crops after the use of fertilizer
- Employ several image processing algorithms
- Setting dark mode and light mode for the application UI
- Based on the type of soil suggest the diseases that the soil is prone to
- Based on the crop suggest the diseases that the crop is prone to
- Suggest fertilizer to prevent the relapse of the disease

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Brainstorm as a group

Have everyone move their ideas into the "group sharing space" within the template and have the team silently read through them. As a team, sort and group them by thematic topics or similarities. Discuss and answer any questions that arise. Encourage "Yes, and..." and build on the ideas of other people along the way.

15 minutes

- Provide location of the store where the fertilizer is available
- Responsive and easy to interact UI
- Automation resolution of low quality images
- Generating report for the suggested fertilizer
- Provide offers and discounts who use this application
- Suggest fertilizer to prevent the relapse of the disease

Step-3: Idea Prioritization

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Idea Prioritization

Jot down different ideas your team is interested in trying out. These could be different solutions, or different approaches to the same solution. As a team, go through the ideas in the Idea bank one by one and place them on the grid. Take the time to discuss each idea and come to a consensus on where it should go.

15 minutes