

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	16 September 2022
Team ID	PNT2022MID15537
Project Name	Project – Estimate the Crop Yield using Data Analytics

#### 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.

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

The screenshot displays a digital template for brainstorming and idea prioritization. On the left, a vertical pink sidebar contains a 'Template' label. The main content area is divided into two columns. The left column features a light blue header with a lightbulb icon and the title 'Brainstorm & idea prioritization'. Below the title is a numbered list: 1. Problem statement Definition, 2. Brainstormed Ideas, 3. Grouping Ideas, and 4. Prioritising Ideas. A timer icon indicates '10 minutes to prepare', and a group icon indicates '1 hour to collaborate' and '2-8 people recommended'. At the bottom of this column is a 'Share template feedback' link. The right column is titled '1 Define your problem statement' and includes a sub-header 'What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.' and a '5 minutes' timer. Below this is a large image of a golden wheat field with the text 'Crop Yield Estimation' overlaid. Underneath the image is a box labeled 'PROBLEM' containing the text 'CROP YIELD ESTIMATION USING DATA ANALYTICS'. Below the problem box is a blue box with white text stating: 'The problem of yield prediction is a major problem that remains to be solved based on available data. Data Mining techniques are the better choices for this purpose. Different Data Mining techniques are used and evaluated in agriculture for estimating the future year's crop production'. At the bottom of the template, there is a dark grey footer with a 'Need some inspiration?' section, a 'See a finished version of this template in action' link, and a 'Open example' button.

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

2

### Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

TIP  
You can select a sticky note and hit the pencil (which to sketch) icon to start drawing!

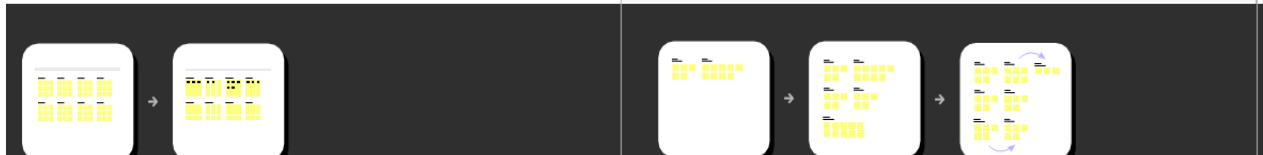
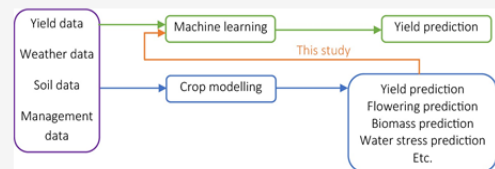


3

### Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes



### 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

