

## Ideation Phase

### Brainstorm&Idea Prioritization Template

Date	22 September 2022
Team ID	PNT2022TMID31901
Project Name	Estimate The Crop Yield Using Data Analytics
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:

Reference:

<https://app.mural.co/invitation/mural/naalaiyathiran1419/1663768779938?sender=u8d8fa718a17bacc9f02b4633&key=c0680266-19ad-4cb1-9f82-2d2ea0537724>

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

1

##### Defining the problem statement

What problem are we trying to solve? Framing the problem as a How Might We statement. This will be the focus of our brainstorm.

🕒 5 minutes

An accurate crop yield prediction model can help farmers to decide on what to grow and when to grow. As a team we are proposing a solution, our analysis will have different visualization based on different factors. It gives an knowledge on making decisions in cropping, which will increase the production and reduce the wastage of crops and water.

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

2

**Brainstorm**  
Writing down any ideas that come to mind that address our problem statement.  
[10 minutes](#)

**Abhinav P**

With IBM cognos analytics creating a dashboard to virtualize the analysis

Adding some description about the analysis

Creating an application to visualize the analysis

Data visualization chart that shows which crop has highest highest crop production

**Ashifa N**

With IBM cognos analytics creating a story to visualize the analysis

Using python programming language creating the virtualization of analysis

Visualizing with chart and widgets on the creating analys

Creating a text table in data virtualization

**Inbasekaran A**

With IBM cognos analytics creating a report to visualize the analysis

Showing the analysis by creating a web application

With some additional facilities creating a web application

Description about the visualizing chart for the crop yield estimation

**Sabitha P**

Visualization can be made interesting by adding colors for them

Creating a website and visualizing the estimated analysis

The analysis can be made with Python language

Adding some additional information about analysis

3

**Group ideas**  
Take turns sharing our ideas while clustering similar or related notes as we go. In the last 10 minutes, giving each cluster a sentence-like label.  
[20 minutes](#)

**Using IBM Cognos analytics with watson**

With IBM cognos analytics creating a dashboard to virtualize the analysis

With IBM cognos analytics creating a story to visualize the analysis

Visualizing with chart and widgets on the creating analys

Creating a text table in data virtualization

With IBM cognos analytics creating a report to visualize the analysis

Visualization can be made interesting by adding colors for them

**Using Programming Languages**

Data visualization chart that shows which crop has highest highest crop production

Using python programming language creating the virtualization of analysis

The analysis can be made with Python language

**Using web application**

Creating an application to visualize the analysis

Adding some description about the analysis

Showing the analysis by creating a web application

With some additional facilities creating a web application

Description about the visualizing chart for the crop yield estimation

Creating a website and visualizing the estimated analysis

Adding some additional information about analysis

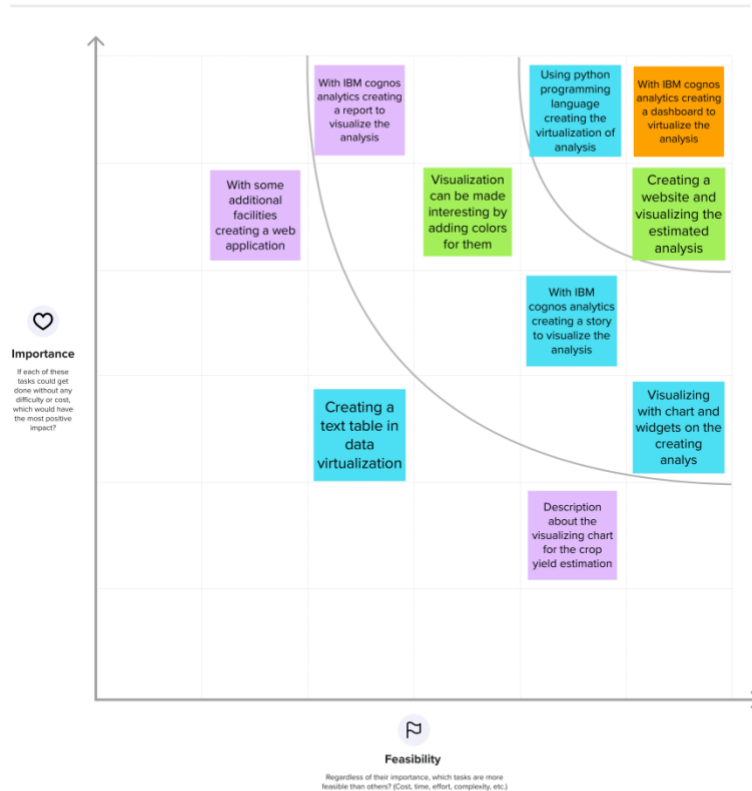
## Step-3: Idea Prioritization

4

### Prioritize

Our team all be on the same page about what's important moving forward.  
Placing our ideas on this grid to determine which ideas are important and which are feasible.

20 minutes



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