


Ideation Phase

Brainstorm & Idea Prioritization

Date	19 September 2022
TeamID	PNT2022TMID05476
Project Name	Estimate the crop yield using data analytics
Maximum Marks	4 Marks

Step-1: Brainstorm & Idea Prioritization:



### Brainstorm & idea prioritization

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.

10 minutes to prepare

1 hour to collaborate

2-8 people recommended

➔

**Before you collaborate**

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

A

**Team gathering**

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B

**Set the goal**

Think about the problem you'll be focusing on solving in the brainstorming session.

C

**Learn how to use the facilitation tools**

Use the Facilitation Superpowers to run a happy and productive session.

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1

**Define your problem statement**

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

Bulk buying due to avail discount or to cut down buying cost can lead to huge inventory storage

Cancellation of delivery orders and unreliable and irregular supplies may lead to bulk inventory storage

Poor Inventory control in retail stores

Over buying inventory due to wrong forecasting

When inventory acquisition is more as compare to consumption/ sale

**Solution :**

Based on the inventory management analysis we can manage how much inventory is required for selling the product based on which they can calculate the profit and losses...

**Define your problem statement**

What problem are you trying to solve ? Frame your problem  
As a how might we statement This will be the focus

(a)

CLIMATE CHANGE

DIRECT EFFECTS

INDIRECT EFFECTS

SOCIO-ECONOMIC

❖ Morphological changes

❖ Physiological changes

❖ Phenotypic changes

❖ Plant productivity

❖ Soil fertility

❖ Irrigation availability

❖ Rise in sea level

❖ Pests

❖ Heat/Flood/Drought

❖ Food demand

❖ Farmer's response

❖ Costs

❖ Policy

❖ Trade

❖ Un-equal distribution

➤ Human interventions

➤ Adaptation strategies

➤ Mitigation strategies

Agricultural production and vulnerability

(b)

POSITIVE EFFECTS

OVERALL EFFECTS OF CLIMATE CHANGE AND GLOBAL WARMING

NEGATIVE EFFECTS

Increased productivity from warmer temperatures

Decreased moisture stress

Possibility of growing new crops

Accelerated maturation rates

Longer growing season

Increased productivity from enhanced CO<sub>2</sub>

CO<sub>2</sub> fertilization only applies to some crops and will at best be a small temporary benefits for higher latitude (PCC.ch)

Crop damage from extreme heat

Planning problems due to less reliable forecast

Increased insect infestations

Torrential rain

Increased drought

Increased weed growth

Increased moisture stress

Increased crop diseases

Increased ground level ozone-toxic to green plants

Stronger storms and floods

Warming stress

Water logged land

More soil erosion

Specialized monocropping, less adaptable

Sickness loss of human labor

Decreased pesticides and herbicides efficiency

Step-2: Brainstorm, Idea Listing and Grouping:

