

## Ideation Phase

# Global Food Production Trends and Analysis Template

Date	25 February 2025
Team ID	PNT2025TMID02916
Project Name	Global Food Production Trends and Analysis A Comprehensive Study
Maximum Marks	4 Marks


## Global Food Production Trends and Analysis 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

Template



# Global Food Production Trends and Analysis Comprehensive

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Before you collaborate

- Population Growth: Increasing demand for food due to rising global population.
- Technology: Advancements like precision farming and GMOs improve efficiency.
- Environmental Impact: Need for sustainable practices to reduce ecological harm.
- Food Security: Addressing challenges to ensure everyone has access to nutritious food.

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Team gathering

There are three team members in a team, where one is going to lead the project, another one is going to design and develop suitable visualization and third one is going to provide insights into data sources and trends

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Set the goal

To analyze and develop actionable insights on sustainable practices, technological innovations, and food security measures to enhance global food production while minimizing environmental impact.

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Learn how to use the facilitation tools

Ensure every team member contributes ideas and insights. Structure the session with clear steps: idea generation, grouping, and prioritization.

Open article

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1

Define your problem statement

How might we leverage data visualization to uncover critical insights from global food production trends and identify key factors influencing food security and sustainability?

PROBLEM

How might we develop a Power BI solution to accurately predict global food availability and trends using real-time data?

2

Key rules of brainstorming

Form an atmosphere and productive session

- Stay in topic
- Encourage wild ideas
- Defer judgment
- Listen to others
- Go for volume
- If possible, be visual

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

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### Brainstorm

Following are some ideas which describes our project objectives.

**TIP**  
You can select a sticky note and use the arrow function to move it to the next group.

#### Sanket Methe

**Sustainable Farming:** Use crop rotation, organic farming, agroforestry, and efficient water management.

#### Vaibhav Pernole

**Tech Innovations:** Implement precision farming, vertical farming, GMOs, and automation.

#### Suresh Jourat

**Food Security:** Promote community gardens, improve distribution networks, educate on nutrition, and advocate for supportive policies.

#### Prajyot Hupare

**Environmental Impact:** Reduce carbon footprint, manage waste efficiently, protect biodiversity, and use renewable energy.

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### Group Ideas

Here are ideas which shared by every group member. And the clustering is also given for extra information.

#### 1. Sustainable Farming

- Crop Rotation & Diversification
- Organic Farming
- Agroforestry
  - Water Conservation

#### 2. Technological Innovations

- Precision Farming
- Vertical Farming
- Genetically Modified Organisms (GMOs)
- Automation & Robotics

#### 3. Food Security Measures

- Community Gardens
- Food Distribution Networks
- Education & Awareness
- Policy Advocacy

#### 4. Environmental Impact Reduction

- Carbon Footprint Reduction
- Waste Management
- Biodiversity Protection
- Renewable Energy

## Step-3: Idea Prioritization

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### 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.

**TIP**  
Participants can use their cursor to point at where sticky notes should go on the grid. The facilitator can control the spot by using the four corner buttons or by clicking on the keyboard.

