

Ideation Phase Brainstorm&Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID48523
Project Name	Estimate The Crop Yield Using Data Analytics
Maximum Marks	4 Marks

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.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

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

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.

- 49 minutes to prepare
- 1 hour to collaborate
- 2-3 people recommended

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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.

- 1. 15 minutes

2. Team gathering

Before you start, participants in the session are asked to write down relevant information to pre-work ahead.

3. Set the goal

Think about the question you'll be focusing on asking in the brainstorming process.

4. Learn how to use the facilitation tools

Use the Facilitation toolset to run a session with production session.

[Open article](#)

5. 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.

15 minutes

6. Rules of brainstorming

No criticism, no evaluation, no judgement.

- 1. Stay on topic
- 2. Encourage wild ideas
- 3. Build on others' ideas
- 4. Listen to others
- 5. Go for volume
- 6. If possible, be visual

Need some inspiration?

See a list of ideas and examples of how to use this template to answer your questions.

[View examples](#)

Step-2: Brainstorm, Idea Listing and Grouping

1

Brainstorm

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

10 minutes

PROBLEM STATEMENT: **How can we improve the efficiency of our production process?**

IDEA 1: **Automate repetitive tasks**

IDEA 2: **Optimize workflow**

IDEA 3: **Invest in training**

IDEA 4: **Streamline communication**

IDEA 5: **Implement lean manufacturing**

IDEA 6: **Use data analytics**

IDEA 7: **Improve equipment maintenance**

IDEA 8: **Reduce waste**

IDEA 9: **Enhance safety protocols**

IDEA 10: **Collaborate with suppliers**

IDEA 11: **Upgrade technology**

IDEA 12: **Implement just-in-time inventory**

IDEA 13: **Optimize layout**

IDEA 14: **Improve quality control**

IDEA 15: **Reduce changeover time**

IDEA 16: **Implement 5S**

IDEA 17: **Use visual management**

IDEA 18: **Improve ergonomics**

IDEA 19: **Implement standardization**

IDEA 20: **Reduce setup time**

IDEA 21: **Improve material handling**

IDEA 22: **Implement continuous improvement**

IDEA 23: **Use predictive maintenance**

IDEA 24: **Improve operator engagement**

IDEA 25: **Reduce inventory levels**

IDEA 26: **Implement mistake-proofing**

IDEA 27: **Improve equipment uptime**

IDEA 28: **Reduce energy consumption**

IDEA 29: **Implement digital transformation**

IDEA 30: **Improve supplier relationships**

IDEA 31: **Reduce scrap**

IDEA 32: **Implement employee empowerment**

IDEA 33: **Use root cause analysis**

IDEA 34: **Improve equipment reliability**

IDEA 35: **Reduce lead time**

IDEA 36: **Implement statistical process control**

IDEA 37: **Improve equipment efficiency**

IDEA 38: **Reduce downtime**

IDEA 39: **Implement employee suggestion system**

IDEA 40: **Improve equipment safety**

IDEA 41: **Reduce material waste**

IDEA 42: **Implement employee training program**

IDEA 43: **Use value stream mapping**

IDEA 44: **Improve equipment performance**

IDEA 45: **Reduce inventory holding costs**

IDEA 46: **Implement employee incentive program**

IDEA 47: **Improve equipment accuracy**

IDEA 48: **Reduce equipment maintenance costs**

IDEA 49: **Implement employee safety training**

IDEA 50: **Improve equipment reliability**

IDEA 51: **Reduce equipment energy consumption**

IDEA 52: **Implement employee safety protocol**

IDEA 53: **Improve equipment uptime**

IDEA 54: **Reduce equipment scrap**

IDEA 55: **Implement employee suggestion system**

IDEA 56: **Improve equipment safety**

IDEA 57: **Reduce equipment material waste**

IDEA 58: **Implement employee training program**

IDEA 59: **Use value stream mapping**

IDEA 60: **Improve equipment performance**

IDEA 61: **Reduce inventory holding costs**

IDEA 62: **Implement employee incentive program**

IDEA 63: **Improve equipment accuracy**

IDEA 64: **Reduce equipment maintenance costs**

IDEA 65: **Implement employee safety training**

IDEA 66: **Improve equipment reliability**

IDEA 67: **Reduce equipment energy consumption**

IDEA 68: **Implement employee safety protocol**

IDEA 69: **Improve equipment uptime**

IDEA 70: **Reduce equipment scrap**

IDEA 71: **Implement employee suggestion system**

IDEA 72: **Improve equipment safety**

IDEA 73: **Reduce equipment material waste**

IDEA 74: **Implement employee training program**

IDEA 75: **Use value stream mapping**

IDEA 76: **Improve equipment performance**

IDEA 77: **Reduce inventory holding costs**

IDEA 78: **Implement employee incentive program**

IDEA 79: **Improve equipment accuracy**

IDEA 80: **Reduce equipment maintenance costs**

IDEA 81: **Implement employee safety training**

IDEA 82: **Improve equipment reliability**

IDEA 83: **Reduce equipment energy consumption**

IDEA 84: **Implement employee safety protocol**

IDEA 85: **Improve equipment uptime**

IDEA 86: **Reduce equipment scrap**

IDEA 87: **Implement employee suggestion system**

IDEA 88: **Improve equipment safety**

IDEA 89: **Reduce equipment material waste**

IDEA 90: **Implement employee training program**

IDEA 91: **Use value stream mapping**

IDEA 92: **Improve equipment performance**

IDEA 93: **Reduce inventory holding costs**

IDEA 94: **Implement employee incentive program**

IDEA 95: **Improve equipment accuracy**

IDEA 96: **Reduce equipment maintenance costs**

IDEA 97: **Implement employee safety training**

IDEA 98: **Improve equipment reliability**

IDEA 99: **Reduce equipment energy consumption**

IDEA 100: **Implement employee safety protocol**

2

Group ideas

Take some clustering your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, 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.

10 minutes

IDEA 1: **Automate repetitive tasks**

IDEA 2: **Optimize workflow**

IDEA 3: **Invest in training**

IDEA 4: **Streamline communication**

IDEA 5: **Implement lean manufacturing**

IDEA 6: **Use data analytics**

IDEA 7: **Improve equipment maintenance**

IDEA 8: **Reduce waste**

IDEA 9: **Enhance safety protocols**

IDEA 10: **Collaborate with suppliers**

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IDEA 13: **Optimize layout**

IDEA 14: **Improve quality control**

IDEA 15: **Reduce changeover time**

IDEA 16: **Implement 5S**

IDEA 17: **Use visual management**

IDEA 18: **Improve ergonomics**

IDEA 19: **Implement standardization**

IDEA 20: **Reduce setup time**

IDEA 21: **Improve material handling**

IDEA 22: **Implement continuous improvement**

IDEA 23: **Use predictive maintenance**

IDEA 24: **Improve operator engagement**

IDEA 25: **Reduce inventory levels**

IDEA 26: **Implement mistake-proofing**

IDEA 27: **Improve equipment uptime**

IDEA 28: **Reduce energy consumption**

IDEA 29: **Implement digital transformation**

IDEA 30: **Improve supplier relationships**

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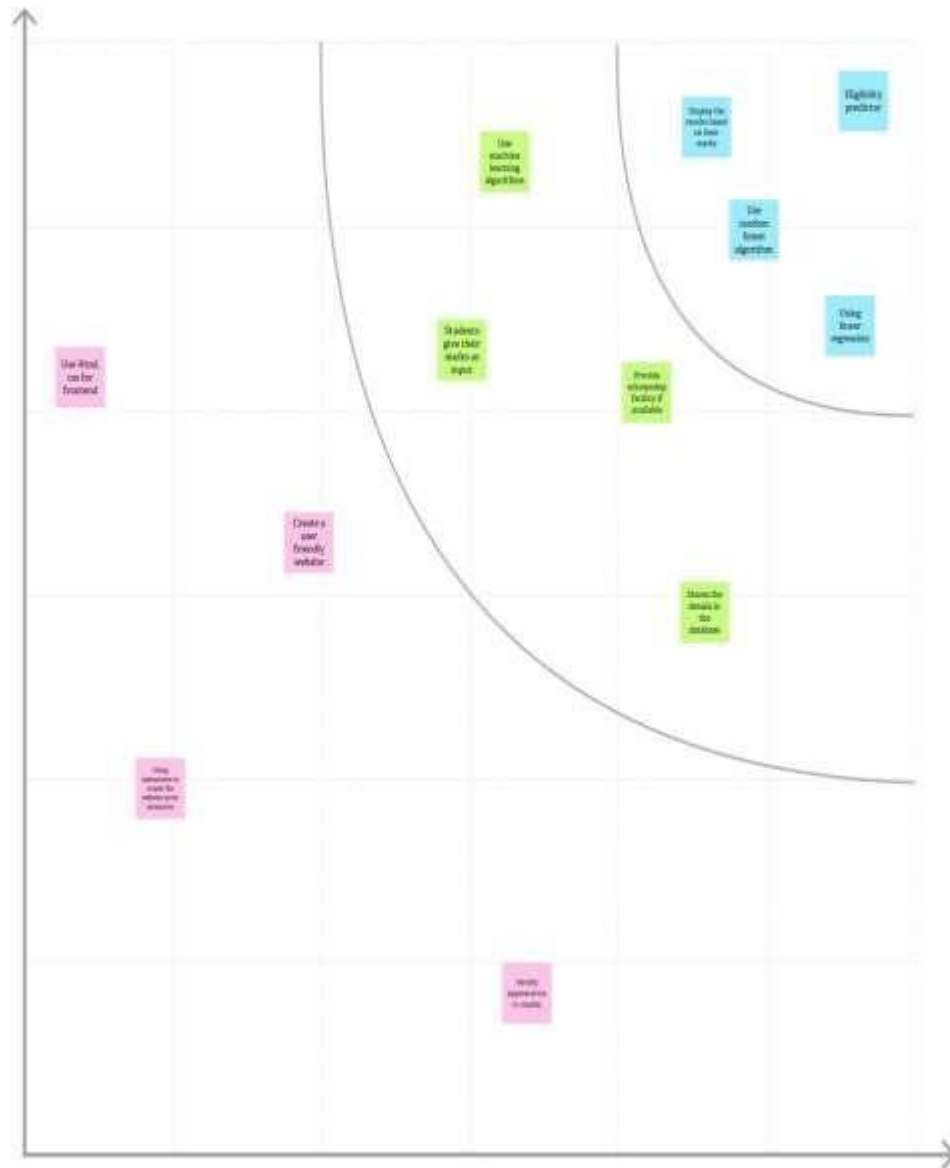
Step-3: Idea Prioritization

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



2

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)