

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	9-10-2022
Team ID	PNT2022TMID51053
Project Name	Analytics for Hospitals' Health-Care Data
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.

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.

⌚ 10 minutes to prepare
🕒 1 hour to collaborate
👥 2-8 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.

⌚ 10 minutes

- 1 **Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- 2 **Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.
- 3 **Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#)

1 Define your problem statement

Using data analytics and anaconda jupyter analysing the data effectively in health care management to provide better management of hospital resources. Accurately predict the Length of Stay for each patient on case by case basis so that the Hospitals can use this information for optimal resource allocation and better functioning.

Key rules of brainstorming

To run an smooth and productive session

🗣️ Stay in topic.

💡 Encourage wild ideas.

👂 Defer judgement.

👂 Listen to others.

🗣️ Go for volume.

👁️ If possible, be visual.

PROBLEM

Health care resources management

Need some inspiration?

Here's a random number of this template to inspire your work.

Open example

Step-2: Brainstorm, Idea Listing and Grouping

2 Brainstorm

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

10 minutes

Amudhadevi

data clear

right amount of resource

patients details

patient unique id

Diwya Dharshini

length of stay

Treatment

Department wise patients

Room availability

Ishwarya

length of stay

Treatment plan

Identify Higher LOS at the time of admission

reduce the length of stay

Loggaa Sri Agitha

Severity of illness

Room availability

data analysis perfect

Case Study

3 Group ideas

Take turns sharing 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.

20 minutes

Unconnected notes

```

graph TD
    A[Collection of Data(Patient Name,Severity)] --> B[Cleaning of Data]
    B --> C[Tabulating via Patient Id, Age, Department, Length of Stay]
    C --> D[Identifying high length of stay]
    D --> E[Optimizing the treatment plan]
    E --> F[Minimizing the length of stay]
    F --> G[Bed and Room Allocation]
    G --> H[Analyzing the data and Visualising it]
    H --> I[Managing Resources]
                    
```

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

Feasibility

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