

Ideation Phase

Brainstorm&Idea Prioritization Template

Date	19 September 2022
Team ID	PTN2022TMID40157
Project Name	VISUALISING AND PREDICTING HEART DISEASES WITH AN INTERACTIVE DASHBOARD
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

Template

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

Team gathering

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

Set the goal

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

Learn how to use the facilitation tools

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

[Open article](#) →

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

PROBLEM

Health care industries generates enormous amount of data, so called big data that accumulates hidden knowledge or pattern for decision making. The use of analytics in health

Key rules of brainstorming

To run a smooth 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

2

Brainstorm

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

🕒 10 minutes

TIP

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

John Anthony

Gene annotation decoding genome predict the pathogenicity of coding variance.

Cardiac imaging EHR biobank.

Synthetic DNA artificial enhancer.

HEART DISEASE PREDICTION

Genotype Phenotype mapping.

Quality control, DNA quality, Missing Genotype calls

Risk probability 50% means high risk.

Revised prediction after changing the features values by Interactive mode.

Respiratory failure , septic shock.

Ashok. G

REAL TIME RETRIVAL OF VITAL SIGN

Accuracy measure

Patient details

Sriram. E

USI machine learning repository

Cleveland heart disease dataset

Data cleanup and pre processing

HEART DISEASE ANALYSIS

Logistic regression model

result visualization

Kalaivani. J

Cardio vascular disease is one of the most fatal conditions in the present world

Statistical data display the lethality of the cardio vascular disease

Revealing the percentage of death worldwide caused due to heart attacks

CARDIO VASCULAR DISEASE

Thus There is an implicit necessity to predict the condition at the earliest.

Features / Attributes from UCI dataset.

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

Typical Presentation

Apprehension

Ashen-grey pallor, cold, wet skin

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize and categorize important ideas as themes within your mural.

AMI - Acute Myocardial Infarction

Chest Pain a common Symptom

Desc : Heavy, Squeezing, Crushing or tight

RVF - Right Ventricular Failure

Peripheral oedema (in legs and feet)

Secondary to LVF

LVF - Left Ventricular failure Symptoms

Extreme Restlessness, Confusion, tachypnoea

Bradycardia, Elevated blood pressure

Angia Pectoris

predictable Pattern, Predictable location, Predictable Intensity

Indicates greater degree of obstruction, Noticeable change in frequency.

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

