

Ideation Phase


Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID13061
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Images
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization :

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


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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

**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 Facilitator Superpower to run a happy and productive session.

[Open article](#)

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


PROBLEM


How might we create a Gesture based desktop automation using an AI model and training that model to predict hand gestures such as actions with fingers showing 0, 1, 2, 3, 4 and 5?





Key rules of brainstorming


to run a smooth and productive session


Stay on topic.

Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

3

Brainstorm

Write down any ideas, but come to mind! I will address your questions later on.

15 minutes

CHERISH R

JAYAPRAKASH S

What is it?

Why?

How?

What is it?

Why?

How?

DEEPIKASHREE P

NANDHISH M

What is it?

Why?

How?

What is it?

Why?

How?

3

Group Ideas

Take turns to assign your ideas to the coding student to address them, so you get the most fully developed code along the way. Give your ideas a number and label them. If it is too big, then use a sticky notes, try and use all of your ideas. Again, a number and label.

30 minutes

Image Processing

Capture the Incoming Video

Video Frames

Object Detection

Computer Vision

OpenCV

Deep Learning Model

Capture the Incoming Video

Capture the Incoming Video

Capture the Incoming Video

Capture the Incoming Video

Capture the Incoming Video

User Interface

UI Design

Think Parameters

Python

Platforms

Jupyter Notebook

IBM AI Studio

IBM Watson Studio

Step-3: Idea Prioritization

Idea 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

Importance

Feasibility

Legend:

- Worth all the time (Green)
- Worth limited time (Blue)
- Worth exploring only if other ideas are better (Orange)
- Worth exploring only if other ideas are much better (Pink)

Ideas Plotted:

- Apparatus (Green)
- IBM AI Studio (Green)
- Platform for generating video (Blue)
- Object Detection (Blue)
- AI Chatbot (Green)
- Computer Vision (Blue)
- OpenCV (Blue)
- Algorithm Evaluation (Orange)
- Integration of Data (Orange)
- Cloud Storage (Blue)
- Consider GPU (Pink)
- Connectivity (Orange)
- Cloud Network (Orange)
- Full Layer (Orange)
- Integration of Hardware (Orange)
- Python (Pink)
- Video Frame (Blue)
- Feature Extraction (Orange)