Ideation Phase
Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID07118
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images
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

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

🕐 **10 minutes**

Surikutchi Vaishnavi

Sterility	We can determine context by looking at the position of the torso and the orientation of the surgeon's gaze. Based on the direction of the gaze
Improves the view of the problem in radiology images	Job complexity of Surgeons

Sivaranjani M

Freedom of interaction between fellow surgeons and nurses	resolves the problem of buying hardware components like keyboard, mouse etc...
Digitalizes the whole process	Image buffering can be avoided

Rithik R

Surgeons/Doctors no longer need medical documents to refer	Sterility
Easy navigation between scanned images	Disciplines the process

Viyanney Maria Joseph H

For the operating room using contextual cues for the navigation of radiological images	To endow computers with the ability to understand the context in which gestures are made
Does not make the workspace messy	Improve accuracy in distinguishing commands from other kinds of gestures

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go.
In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

🕐 **20 minutes**

Does not make the workspace messy	Job complexity of Surgeons	Surgeons/Doctors no longer need medical documents to refer	Freedom of interaction between fellow surgeons and nurses

Sterility	Disciplines the process	Digitalizes the whole process

Image buffering can be avoided	Improves the view of the problem in radiology images	To endow computers with the ability to understand the context in which gestures are made

For the operating room using contextual cues for the navigation of radiological images	We can determine context by looking at the position of the torso and the orientation of the surgeon's gaze. Based on the direction of the gaze	Improve accuracy in distinguishing commands from other kinds of gestures

resolves the problem of buying hardware components like keyboard, mouse etc...	Surgeons/Doctors no longer need medical documents to refer

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**

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Sterility

We can determine context by looking at the position of the torso and the orientation of the surgeon's gaze. Based on the direction of the gaze

Improve accuracy in distinguishing commands from other kinds of gestures

To endow computers with the ability to understand the context in which gestures are made

Freedom of interaction between fellow surgeons and nurses

Disciplines the process

Job complexity of Surgeons

Surgeons/Doctors no longer need medical documents to refer

Does not make the workspace messy

Image buffering can be avoided

Feasibility

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