Ideation Phase
Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID12805
Project Name	Personal Assistance for Seniors Who Are Self-Reliant
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

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 number of creative solutions.

Link for the Brainstorm & Idea Prioritization in Mural:

https://app.mural.co/t/httpswwwpsgtechedu4402/m/httpswwwpsgtechedu4402/1665905916691/632b9a682223c6aefd9df63d4474e7437f012a5a?sender=u507e2bbc7545e22d3aa19908

Personal Assistance For Seniors Who Are Self-Reliant.

To develop an IoT-based system that can help senior citizens aware of their medication schedule.

⏱ **5 minutes**

PROBLEM

How might we develop personal assistance for self-reliant seniors?

Key rules of brainstorming

To run an smooth and productive session

Stay in topic.	Encourage wild ideas.
Defer judgment.	Listen to others.
Go for volume.	If possible, be visual.

② Brainstorm

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

🕐 10 minutes

Awinstan G

- the data of the senior medication must be secure
- use of Raspberrypi as the IoT device
- Use of led/lcd as alearting device
- Developing a Medi-bot that can bring medicine to senior citizen to their place using the RSSI value of the seniors smartphone.

Suryaa E.N

- To Earn revenue, we can give space for advertisement on the website.
- To make the Caretaker meditation schedule entry website user-friendly we can add an auto-fill option.
- To create a check method that assures the caretaker that the senior has taken the medication
- A button can be used as a check system.

Sowbarnika C

- The IoT device must be cost effective
- We can have voice assistance which can obtain the meditation schedule from senior citizens using audio.
- Alert SMS to senior citizens smartphone
- we must send message to the care-taker about the medication taken by the senior

Ghowshik Y

- Developing a website where caretake or senior can enter their meditation schedule which can be stored in IBM cloud
- Use of nodeMCU as the IoT device
- We can't develop a Medi-bot that can track the senior to his location using RSSI value because we can't say that senior people will carry their smartphone everywhere they go in an indoor location
- Use of LCD/LED and speaker as alert device
- A weighting scale can be attached under the pill box which can be check method that senior citizen have taken the medicine.

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 and break it up into smaller sub-groups.

⏱ 20 minutes

Befitting Ideas

the data of the senior citizen's medication must be secure

Developing a website where caretake or senior citizen can enter their meditation schedule which can be stored in IBM cloud

Use of nodeMCU as the IoT device

To make the Caretaker meditation schedule entry website user-friendly we can add an auto-fill option.

Alert Method Ideas

Use of led/lcd as alearting device

Alert SMS to senior citizens smartphone

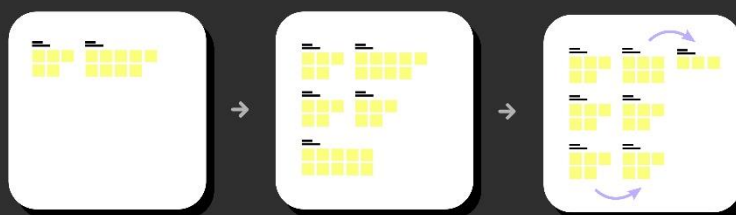Use of LCD/LED and speaker as alert device

Check Methods

A weighting scale can be attached under the pill box which can be check method that senior citizen have taken the medicine.

we must send message to the care-taker about the medication taken by the senior citizen

A button can be used as a check system.

Revenue Idea

To Earn revenue, we can give space for advertisement on the website.

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?

Notes on grid:
- A weighting scale can be attached under the pill box which can be check method that senior citizen have taken the medicine.
- We can have voice assistance which can obtain the meditation schedule from senior citizen using audio.
- we must send message to the care-taker about the medication taken by the senior citizen
- To make the Caretaker meditation schedule entry website user-friendly we can add an auto-fill option.
- To Earn revenue, we can give space for advertisement on the website.
- Alert SMS to senior citizen's smartphone
- Use of nodeMCU as the IoT device
- Developing a website where caretaker or senior citizen can enter their meditation schedule which can be stored in IBM cloud
- the data of the senior citizen medication must be secure
- Use of LCD/LED and speaker as alert device

Feasibility

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