## 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.

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**PROBLEM**

What are the advancements to inculcate in order to support the senior citizens who are self-reliant

BRAIN STORMING AND IDEATION SESSION
TEAM MEMBERS-
1)Santhosh Kumar P
2)Rithika G
3)M Yaswanth
4)Naveen S.S

**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.

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**Santhosh Kumar P**

- Buzzer could be made in a strap form and can be worn easily and sensed
- LED's to show which medicine to be taken
- Can also include water drinking remainder to make them stay hydrated
- Distinct buzzer sounds/frequency of motions for different medicines
- Motion detector for detecting motion of the old people
- Alert system to care-takers

**Rithika G**

- Notification could be sent to phone
- Alarm sounds to notify the patients
- System should incorporate multiple medicines at different times
- Remainder to-do-list be set by doctor according medical history
- Sleep monitoring should be enabled
- Ease of communication to be established between patients and care takers

**M Yaswanth**

- A mobile application to be developed to keep track of medicines
- At the time of medicine intake, the IOT device could deliver speech signals to the old patients
- The IOT device to be made compatible and it has to vibrate indicating the medicine remainder
- A notification to be sent neighbours of the old patients
- IOT Device besides doing the job of reminding it has to monitor the heart beat of the old patients
- Pulse oximeter to be coupled to the IOT device to monitor the blood oxygen levels

**Naveen S.S**

- Initially weight of the each medicine should be noted
- Each medicine should have a QR code
- Alert should be set to avoid overdosage
- If the patient fails to take medicines for 2 days, alert to be given to the concerned hospital
- If weight of each medicine becomes extremely low, the message should be given to the pharmacy
- A suitable color display system to be adopted to indicate medicines

## TOP 3 IDEAS

- A suitable color display system to be adopted to indicate medicines
- Buzzer could be made in a strap form and can be worn easily and sensed
- At the time of medicine intake, the IOT device could deliver speech signals to the old patients