# IDEATION PHASE

# BRAINSTORM & IDEA PRIORITIZATION

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID30986 |
| Project Name | IOT Based Safety Gadget For Child Safety Monitoring And Notification |
| Maximum Marks | 4 |

Brainstorm

& idea prior

itization

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**

1. Team gathering

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

1. Set the goal

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

1. Learn how to use the facilitation tools

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

[Open article](https://support.mural.co/en/articles/2113740-facilitation-superpowers)

**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**

To develop child tracker to monitor the child location continuously and send the notifications to parents or caretakers if the child

crosses the geo-fence and to store the entire location data in the database.

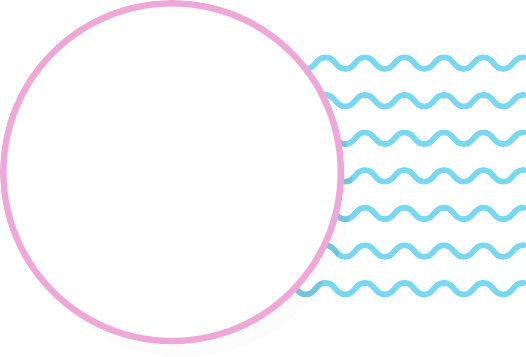
**Key rules of brainstorming**

To run an smooth and productive session

Stay in topic. Defer judgment.

Encourage wild ideas. Listen to others.

Go for volume. If possible, be visual.



**Template**

[**Share template feedback**](https://muralco.typeform.com/to/CiqaHVat?typeform-source=app.mural.co)

**2**

**Brainstorm**

**TIP**

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

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

###### 10 minutes

**Person 1**

**Person 2**

**Person 3**

**Person 4**



Storing the child location in the Database

Notifying the Parents in case of Emergency

Sending Notification in case of Emergency

Integration with Cloud Services

GPS

Integrated Watch

Development of Child Tracker

Creation of Mobile Application

Creation of Web based Application

Tracking the Child's Location through API's

Brilliant UI/ UX Design for Web Application

Integration with Smart Watches

RFID based Tracking

GPS

Integrated Shoe

Tracking the Child's Location Continuously

Integration with Shoe

RFID based Additional Tracking

Integration with Mobile as PWA

Notifying the Parents in case of Emergency

Monitoring the Child's Movements

Notifying the Police and Caretakers in case of Emergency

GPS

Integrated Bag

**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**

Development of Child Tracker

Creation of Mobile Application

Integration with Shoe

Creation of Web based Application

Integration with Mobile as PWA

Tracking the Child's Location through API's

Brilliant UI/UX Design for Web Application

Monitoring the Child's Movements

Integration with Smart Watches

Tracking the Child's Location Continuously

Sending Notification in case of Emergency

Storing the child Location in database

RFID based Additional Tracking

Notifying the Parents in case of Emergency

Integration with Cloud Services

Notifying the Parents in case of Emergency

RFID based Tracking

GPS

Integrated Bag

GPS

Integrated Shoe

GPS

Integrated Watch

Notifying the Police and Caretakers in case of Emergency

**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

Creation of Web based Application

GPS

Integrated Shoe

Tracking the Child's Location Continuously

GPS

Integrated Bag

Sending Notification in case of Emergency

Integration with Mobile as PWA

GPS

Integrated Watch

**Importance**

Tracking the Child's Location through API's

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

Creation of Mobile Application

#### Storing the child Location in database

Integration with Shoe

RFID based Additional Tracking

Notifying the Parents in case of Emergency



Development of Child Tracker

**Feasibility**

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