

## Ideation Phase

### Brainstorm & Idea Prioritization Template


Date	17 September 2022
Team ID	PNT2022TMID48061
Project Name	Project-IoT Based Safety Gadget for Child Safety Monitoring and Notification
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.

#### Step-1: Team Gathering, Collaboration and Select the Problem Statement



### 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

[Share template feedback](#)

**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

---

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

**B Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.

**C Learn how to use the facilitation tools**  
Use the Facilitation Superpowers 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**

To show Live location of child any time in parents mobile.  
To alert parents when child go across the Geofence



**Key rules of brainstorming**  
To run a smooth and productive session

- 🗣️ Stay in topic.
- 💡 Encourage wild ideas.
- ⏸️ Defer judgment.
- 👂 Listen to others.
- 🗣️ Go for volume.
- 👁️ If possible, be visual.

## Step-2: Brainstorm, Idea Listing and Grouping

**2**

**Brainstorm**

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

10 minutes

**Hema dharshini**

- Track by GPS sensor
- Start alerting if child go across the Geofence
- Notify to Gardian
- Confirming if sensor is with the Child
- May be body heat sensor in Gadget confirms the presence of child
- online & offline tracker

**Suruthi priya**

- wifi and audio play back modules are used
- if pulse rate of child decrease then BPM increase
- counter time should be checked for time interval of 30 min
- mobile apps alert nearby police station or caretakers of children
- Body position is determined by triple axis accelerometer
- GSM/GPRS block is activated with SIM card on the board

**Nathiya**

- cry detection
- child safety improvement
- enable tracking of child location and capture of data remotely
- Temperature sensor
- panic button
- Real-time tracking

**Sangeetha**

- monitoring by parents via GPS
- enable tracking of child location and capture of data remotely
- trigger the alarm and enable automatic video recording whenever the emergency button is pressed
- panic button
- smart light along with distress alarm buzzer for their child's surrounding and to locate their children
- smart band connected to parents so they can monitor their child
- smart watch with phonecall,message notification and GPS location for child's safety

**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 can break it up into smaller sub-groups.

20 minutes

**Temperature sensor**

**May be body heat sensor in Gadget confirms the presence of child**

**enable tracking of child location and capture of data remotely**

**smart watch with phonecall,message notification and GPS location for child's safety**

**Track by GPS sensor**

**monitoring by parents via GPS**

**trigger the alarm and enable automatic video recording whenever the emergency button is pressed**

**panic button**

**Start alerting if child go across the Geofence**

**smart light along with distress alarm buzzer for their child's surrounding and to locate their children**

**smart band connected to parents so they can monitor their child**

**Real-time tracking**

## Step-3: Idea Prioritization

