

## Ideation Phase

### Brainstorm&Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID50704
Project Name	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.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

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

template



## 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

→

#### 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

How might we design an iot based child safety gadget?

How might we protect children from any kind of abuse?

How might we monitor the health of child and notify the same to their parents?

How might we reduce child trafficking?

How might we contribute to the protection and development of children?

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.

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

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### Brainstorm

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

🕒 10 minutes

Swetha D

Develop an IoT based Application

Monitoring the health Condition of the child

Develop a Cost effective device

panic button in emergency situation

Shakthi K S

Track Location of the child

Updating the location to parents

Educate the parents about the gadget

Simple UI

Shanmugapriya S

Parents can control the gadget

Informing the police in case of danger

Provide safety to the children

Easy accessible

Shwetha B

Child environment is monitored

Use Gps to track the location

to prevent child before attack

Location of child is saved

Person 6

Android app to monitor the status

Monitoring and notify

Adding Geofence

Alert Notification

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

20 minutes

TIP

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

### MONITORING

GPS  
LOCATION  
TRACKING

SENDING  
MESSAGE  
THROUGH  
GSM

CAMERA  
AND MIC  
ACCESS

HEALTH  
MONITORING

### NOTIFICATION.

SOS  
BUTTON

MESSAGE ALERT  
TO NEARBY  
POLICE STATION  
IN CASE OF  
DANGER

NOTIFYING  
PARENTS BY  
SENDING  
ALARM  
MESSAGES

CONTACT  
NEARBY  
RELATIVES  
AND NOTIFY  
PARENTS

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

### SECURITY

CAMERA  
FOR  
CAPTURING  
STRANGERS

SMART  
ASSISTANCE  
TO GUIDE  
THE  
CHILDREN

MIC ACCESS  
INCASE OF  
UNUSUAL  
SITUATIONS

PERIODIC  
MONITORING  
OF THE  
CHILDREN BY  
PARENTS

### DESIGN

BEST  
DESIGN  
FOR EASE  
OF USE

USING ALL  
NANO  
EQUIPMENTS  
TO MAKE IT  
COMPACT

EASY TO  
WEAR AND  
USER  
FRIENDLY

INTEGRATING  
ALL  
ELECTRONICS  
AND BATTERY  
PACK IN A  
COMPACT WAY

## Step-3: Idea Prioritization

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## 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

