


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	17 September 2022
Team ID	PNT2022TMID30906
Project Name	IOT BASED SAFETY GADGET FOR CHILD MONITORING AND NOTIFICATION
Maximum Marks	4 Marks

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 STATEMENT


The main issues nowadays are children trafficking. Parental care is majorly missing since both of them are working. Child Health condition has to be taken care and to solve these problems this child safety monitoring and notification came into account. Child tracker helps the parents in continuously monitoring the child's location. They can simply leave their children in school or parks and create a geo fence around the particular location. By continuously checking the child's location notifications will be generated if the child crosses the geo fence. Notifications will be sent according to the child's location to their parents or caretakers. The entire location data will be stored in the database.



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

2

Brainstorm

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

10 minutes

TIP
You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

R.MADHAN DEEPAK

Now-a-days attacks on children are increasing at an unprecedented rate where they are not allowed to contact the family members.

The key idea planned in this research work is an advanced technology that offers "Smart Child Safety" for the children.

Therefore, the awareness of this method is to send an SMS from children's wear device to their parent or guardian.

Thus, the proposed method will be highly effective when compared to the other existing techniques.

In the existing structure, there is no monitoring method for child. It should create many problems for them and the no protection mechanism to protect the child from the misbehavior.

In addition, there is no aware device for the child's protection.

V.C PRAVEEN

Therefore, the wearable device implemented in the project will be effectively communicating with the parents via SMS through GSM.

This ensures that there is a secure communication also. Communication of the wearers can be possible as per the ready by reprogramming the system.

In future, the wearable devices can be extended to built on the IoT platform that helps to work more efficiently comparing with now.

The wearable device acquires collection of data from the various modules that are connected to it.

The latitude and longitude coordinates received are stored in the cloud Database, which can be saved for future references.

The parent can find out the location of the child by down load it a very fast using the wearable device.

I. STEPHEN HEART

This aspect incorporated a new method technology for and promises to solve GSM as well as the children will not be disconnected while being with social problems.

The key idea planned in this research work is an advanced technology.

Moreover, it doesn't need any manual operation.

The problems encountered here using Arduino, GSM, sensors, MMS, temperature and panic button by using IoT.

The secondary resource implemented with using a single IoT light and camera with lower present as the wearable device which when activated by the parents via SMS.

In such case, heartbeat sensor from the wrist wear for children and sends the emergency message by using the GSM to send contacts.

DHARMARAJ

This Bluetooth module is a low-power module. The major disadvantage for the implementation is that it requires Bluetooth as per child communication with a parent's phone and the child.

Text should display the SOS signal brightly and sound an alarm which a bystander can easily spot as a sign of distress.

This utilizes a Arduino system along with a Sensor system and Bluetooth 4.1 module.

The project focuses on a smart wearable device is used for children. The main benefit of this wearable compared to other wearable is.

The main idea of this wearable safety system is to aid the parents in finding their child very easily.

Hence this paper aims at providing parents with a sense of security for their child in today's time.

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 can break it up into smaller sub-groups.

20 minutes



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

Step-3: Idea Prioritization

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

