

BRAINSTORM AND IDEA PRIORITIZATION

PROJECT TITLE: – IoT Based Safety Gadget for Child Safety Monitoring & Notification.

TEAM ID : PNT2022TMID21741



Brainstorm & Idea prioritization

Use this template in your own brainstorming session so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

- 15 minutes to prepare
- 30-60 minutes to collaborate
- 2-4 people recommended

Created in partnership with **Meta**

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.

15 minutes

A TEAM GATHERING

Define who should participate in the session and send an invite. Team building is a collective term for various types of activities used to enhance social relations and define roles within teams, often involving collaborative tasks. Share relevant information or pre-work ahead.

B SET THE GOAL

When you set a goal, your brain opens up a task list. Think about the problem you will be focusing on solving in the brainstorming session.

C LEARN HOW TO USE THE FACILITATION TOOLS

The planning or the process of doing the plan itself makes you more prepared for diverging from the plan when that turns out to be necessary. Use the facilitation superpowers to run a happy and productive session.

Open the website →

1

DEFINE YOUR PROBLEM STATEMENT

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 geofence around the particular location. By continuously checking the child's location notifications will be generated if the child crosses the geofence. 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.

How might we... [insert problem statement here?]

2

Brainstorm solo

Have each participant begin in the "solo brainstorm space" by silently brainstorming ideas and placing them into the template. This "silent-storming" avoids group-think and creates an inclusive environment for introverts and extroverts alike. Set a time limit. Encourage people to go for quantity.

10 minutes

S. Kaveerthi

Collect information about the child from the parents	Observe all the places that the child visits and keep track of it.	Get the parent details of the child.
Use GPS technology to regularly monitor the child's location during its active hours.	Determine and make note of all the spots and locations that a child visits on a daily basis.	In case of emergencies, that is if the parent and guardian's mobile phones are not reachable notify the local police station about the child's whereabouts along with the child's and the parent details.
The child's activity is constantly monitored by making use of the GPS technology	Generate notifications if the child crosses the geofence.	Collect the medical information about the child to know if about the child's medical status.

R. Kaavya

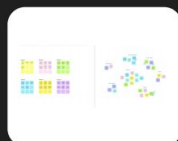
Get the details of who is with the child taking care of the child at a particular timeperiod.	Send alerts or warnings to the parent/guardian when the child supposedly moves out of the geofence.	Roughly keep track of the frequency that a child is present in a particular place.
Notify the parents about the child's location.	Push notifications or alert messages if a child crosses its geofence.	Keep track of the all the places that the child is to travel in a particular day.
Make note of the distances of all the places that a child frequently visits from its house.	Collect details of the parents if they both parents are working.	The entire location details that is all the locations that the child has traveled will get stored in the database.

R. Jayavardhan

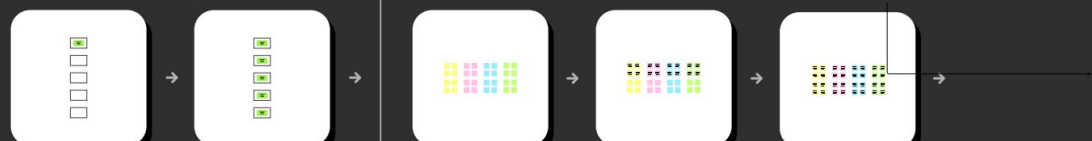
Make note of the places that the child travels regularly and the distance of those places from home.	Get the occupation details of the child's parents.	Enable the parents to fix a geofence for the child.
Make note of the habit of the child and establish a geofence for the child.	Keep track of all the locations and time spent in the places that a child visits along with the distance of those places.	Get the child's parent's details and collect the child's details along with.
After making note of all the locations that a child visits, create a geofence for the child after asking for consent from their parents.	If the child moves 50 meters away from the geofence notify through	In case both the parents of the child are working, then get the information of the caretaker who takes care of the child.

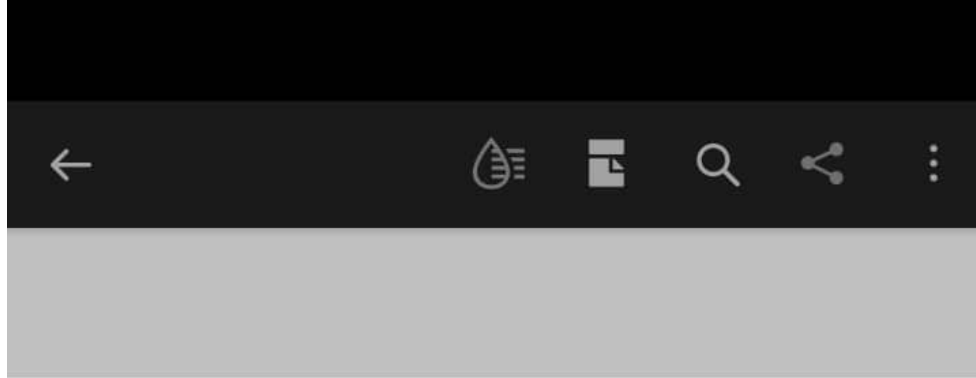
K. Jayavardhan

Have an option to automatically fix the geofence for the child based on the places visited by the child.	Keep track of all the activities of the child.	If both the parents are working then collect the information of the child's caretaker or guardian.
In case both the parents are fulltime workers then get the child's guardian details.	If the child moves out of the geofence notify through message.	Get the daily routine habits of the child.
After collecting the details make note of the parent's occupation.	Collect the statistics and determine whether both the parents are working or not.	Keep a security plan to fix the geofence so that only the parents can set the geofence of the child.



Need some inspiration?
See a finished version of this template to kickstart your work.
Open example →





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.

Data Collection and Preparation

Collect the data of the child, child's parents, and the guardian or caretaker

Get the details of the locations that the child travels regularly and the time of visit to a particular location.

Store entire location data of the child in the Cloudant DB

Connection, Testing and Implementation

Objects are connected via internet for communication, interaction, exchanging data and making decisions automatically at anywhere and anytime.

Test whether the notification to the parent works when the child crosses the geofence.

Build the device that helps to monitor the child's location and to notify the parent if the child crosses the geofence

Work and Deliverables

An interactive user friendly web application

Get user feedback, complaints and queries and monitor if the issue has been resolved at the earliest.

Perform periodic maintenance and deploy updates in order to improve the web application





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.

