# Ideation Phase Brainstorm & Idea Prioritization Template

Date	02 October 2022		
Team ID	PNT2022TMID16918		
Project Name	IOT BASED SAFETY GADGET FOR		
	CHILD SAFETY MONITORING AND		
	NOTIFICATION		
Maximum Marks	4 Marks		
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## Brainstorm & Idea Prioritization:

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.



### 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

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#### **PROBLEM**

what if child safety gadget disconnects or theft?





#### **Brainstorm**

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

10 minutes

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because the message has to be sent to parents when child gone to danger area .

it is important

it affects the safety of the child and create the panic to parents

the issue is if the GPS data doesn't push to dashboard due to delay in satellite communication it creates big problem

issue occurring in data doesn't reach to parents

the issue is when child crosses some safety location marked by parents, it wants to send message to parents, if location not mapped correctly problem occurs

when the child's geofence not works due to humidity,...

the issue will

the boundaries of the problem is delay in communication.

If the communication between child and parents where disconnected

The child's gps

not work we

can't identify

the place of the

child

occur if the child gone over the geo fence or communication is not strong.

this can be overcome by forming Zig bee and connect the deices to zig bee.

the boundaries and the correct mapping to the location.

it affects the child's future.

The child location only tracked by

gps

issue occuring in location not marked or mismatched to safety location

it is important because for the child's safety

the boundary of the problem is battery.

the issue is the parent doesn't know panic situation of child

The issue was the location was not find

> The rays causes health issues

The device materials can vomit hazardous rays The child's current activity cannot be notified

Parents have fear about the child

The health of the child to be considered

We concentrate on the gps and other communication devices in iot

The issue occuring in pointing the location of child

If the tracking is lost the childs place is unidentified. So, we focus on other way.

does they get an incorrect information

may be the child information's are interrupted

body temperature, pulse rate may be incorrect

Child's body temperature

may affect bydevice temperature

> To know the childrens location if they are missing

to know the health information of the child

to reduce interrupt to get correct information of the child

The performance will be

difficult to

active

the child.

maintain. We can only view the last

When child is unsafe. location of

The parents will be mentally affected and child will be lost.

Surrounding around the child.

Data &

information

are not able

to read/write.

When the database crashes.

To ensure that the childis safe & sound.

Where the place cannot recharge the device.

In order to get the information about child safety works smoothing & accurately.



#### **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

#### Based on location:

We can only view the last active location of the child.

in location not marked or mismatched to safety location

To know the childrens location if they are missing

the issue is if the GPS data doesn't pushed to dashboard due to delay in satellite communication it creates big problem

## Based on safety

the issue is when child crosses some safety location marked by parents ,it want to send message to parents ,if location not mapped correctly problem occurs

the information about child safety works smoothing & accurately.

In order to get

it is important
because the
message has to be
sent to parents
when child gone to
danger area.

it affects the safety of the child and create the panic to parents

If the communication between child and parents where disconnected

the issue is the parent doesn't know panic situation of child

Based on communication

## based on health

The device materials can vomit hazardous rays

temperature may affect bydevice temperature

Device heat may affect the child

to know the health information of the child

Child's body

Data & information are not able to read/write.

based on data

to reduce interrupt to get correct information of the child

When the database crashes.

We concentrate on the gps and other communication devices in iot

the boundaries of the problem is delay in communication.

the issue will occur if the child gone over the geo fence or communication is not strong.

the issue is if the GPS data doesn't pushed to dashboard due to delay in satellite communication it creates big problem



#### **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

