

Ideation Phase Brainstorm & Idea Prioritization

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Team ID	PNT2022TMID04590
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	4 Marks

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

child's location can be monitored continuously by their parents with the help of child tracker. Parents can avoid the fear of leaving their child alone, without their guidance. If the child crossed the geofence, the parent or caretakers will get a notification about the location. The database will store the entire location details.

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!

Person 1

Child tracking mechanism needs to implemented

Create awareness to child to alert the parent

Develop a Geofence for monitoring

Create awareness to parents to know whether the child crossed the fence or not

Person 3

Using Node red develop a web application

See the area of child using camera

Connect the data to ibm smart cloud

Develop a product needs to be longlasting

Person 2

Using the best and cost efficient hardware

Improving the approach to be faster and performance efficient

Allows the parents to know the current climatic condition in child location

Using database store the childs location history and all details

Person 4

Create a way for the child to communicate with their parents

Make a beeping sound, when child crossed geofence

Create a way for the parent to communicate with their child

Develop a product as highly robust one

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 and break it up into smaller sub-groups.

🕒 20 minutes

Based on efficiency

- > Implementing the efficient approach for child tracking.
- > Creating awareness among the working of this implementation among parents and child.
- > Implementing the cost efficient and robust methodology for detecting child location via GPS.

Based on data

- > Maintain the child location and weather condition in a database.
- > Ensure a secure database, which prevents from hacking.
- > Make sure that the child location will be accessible only by their parents or by their care taker, since the location information is sensible.

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