

Ideation Phase Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID21372
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	4 Marks

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

We have followed the first step of brainstorming where we have discussed as a team to decide a problem statement .

As per the guideline the following is done

1. TEAM GATHERING
2. COLLABORATION
3. DECIDING THE PROBLEM STATEMENT



PROBLEM STATEMENT

To create a smart wearable device for children that uses advanced technology to ensure their safety all the time.



Step-2: Brainstorm, Idea Listing and Grouping

BRAINSTORMING:

TEAM MEMBERS	MEMBERS OPINION	IDEAS
Harshavardhini C	May be good	Collecting location information and sharing it to parents
Harippriyadharshini J	Good	Detecting location using GPS and sharing it to parents through message in case of any emergencies
Hithayathun Nihma J	Best	Collecting location and reporting to parents through developed application
Kauri Sheetal P	Costly	Make a smart watch or bracelet and collect all the information and reporting to parents through application

BY GROUPING IDEAS:

- We have planned to use GPS for detecting location and to send the message to parents by using GSM or Cloud.
- The location will be shared to parents through application or as a message.
- Incase of emergencies,notification is also sent.

Step-3: Idea Prioritization:



- 1) Using location trackers like GPS to detect the location of the child.
- 2) The GPS module is connected to an IOT application to notify the parents.
- 3) Can use other sensors if required for the particular applications like temperature sensing, heart beat monitoring etc.
- 4) Using automation without the knowledge of parents or human resource