**Ideation Phase Brainstorm & Idea Prioritization**

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| Date | 31 October 2022 |
| Team ID | PNT2022TMID31414 |
| 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, 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:

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| --- | --- | --- |
| **TEAM MEMBER** | **MEMBERS OPNION** | **IDEAS** |
| ABINEETHA | MAY GIV… | Collecting vital signs of the child like Blood Volume Pulse(BVP) Galvanic Skin Response (GSR) to help parents to monitor child. An abrupt change in this should  trigger alert. |
| CHARULATHA | GOOD | Detecting locations using GPS and sending the information to parents using  GSM. |
| APARNA BHUVANESVARI | BEST | Detecting location using GPS and sending the information to parents through cloud services. |
| ASWINI | COSTLY | Application of Machine Learning and cameras to enable child safety by monitoring every movement. |

**BY GROUPING IDEAS:**

* We have planned to use GSP for detecting location and to sent the message parents we can use GSM or Cloud.
* The location will be shared in application or as message to parents
* The notification is also sent incase of emergencies

# Step-3: Idea Prioritization:



1. Using location trackers like GPS inorder to detect the location of the child.
2. The GPS are connected to IOT application inorder notify the parents
3. Use other sensors if required for the particular application as temperature,heart beats etc.
4. Using automation without the knowledge of parents or human resource