Ideation PhaseBrainstorm&IdeaPrioritization

Date	19September2022
TeamID	PNT2022TMID30696
ProjectName	IOTBased SafetyGadget forChild SafetyMonitoringandNotification
MaximumMarks	4 Marks

Team Gathering,CollaborationandSelecttheProblemStatement:

We have followed the first step ofbrainstorming ,we have discussed as a team todecideaproblemstatement.

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1. TeamGathering
2. Collaboration
3. Decidingtheproblemstatement

PROBLEMSTATEMENT

To create a smart wearable device for children that uses advanced technology to ensure theirsafetyallthetime.

Brainstorm, Idea Listening And Grouping:

ARTHI B	BEST	Gathering the child's vital signs, such as the Blood Volume Pulse (BVP) and Galvanic Skin Response (GSR), to assist parents.
GEETHALAKSHMI S	BEST	GPS-based location detection and GSM-based parent communication.
HARITHA SHREE G	BEST	Employing GPS to determine location and using cloud services to relay the information to the parents.
SATHIYA K	BEST	Child safety is made possible by using cameras and machine learning to track every step.

BYGROUPINGIDEAS:

➢ We have decided to use GSP for location detection and GSM or the cloud to send the message to the parents.

➢ A notification is also delivered in the event of an emergency.

➢ The location will be shared via the application or as a message to parents.

IdeaPrioritization:

Prioritization Matrix

1) Using GPS or other location-tracking devices to find the child.
2) The GPS is integrated with an IoT application to alert the parents
3) Use additional sensors, such as those for temperature or heartbeats, as needed for the specific application.
4) Using automation without consulting human resources or parents