

Project Design Phase – 1

Solution Architecture

Date	01 October 2022
Team ID	PNT2022TMID46774
Project Name	Project – IOT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	4 Marks

PANIC BUTTON:

The button used is a push button that is suitable for the raspberry Pi as a controller. They will press a button on the device, then send an input signal to the controller in the form of a Raspberry Pi.

CAMERA:

Then, the camera on the device will automatically capture the photo of the perpetrator's face.

GPS:

The GPS module is used to record current location of the device which is used to track the device if the child is missing.

DETAILS TRANSFERRED:

The input signal that enters the Raspberry Pi control will be forwarded to the server, and the captured image will be detected and once detected, the camera will automatically On, and the live video Streaming will be forwarded to the parent's cellphone.

LED:

The LED will Blink in Red Colour when the child is move away from the Geofence. It Will Indicate the child that it is not a allocated place by the Parents.



Design: The designed Prototype was Constructed in a Plastic Casing. The Designed can be reproduced & fixed at strategic locations.

Usable: These are all Designed for Security Purposes at Emergencies to give GPS locations, videos scenario, and notification in real-time.

Reliable: One of the most effective ways to protect children.

Fuctional: This Gadget was constructed and Work well. When Panic Button is On.