

IOT BASED SAFETY GADGET FOR CHILD

SAFETY MONITORING AND NOTIFICATION.

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FUNCTIONAL REQUIREMENTS :

- ❖ The system shall allow the user or family's to register phone number.

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- ❖ The system must enable phone number registration for the user or family.
- ❖ The system should provide text messages containing all of the sensed data from each sensor.
- ❖ The system must compare the detected data to each input's threshold value.
- ❖ When the input value exceeds or falls below the threshold value, the system must alert the user.

NON-FUNCTIONAL REQUIREMENTS :

- ❖ There won't be any distracting effects because the system will use sensing material to provide correct results for many parameters.
- ❖ When a fall happens, the system must be maintainable.
- ❖ The GPS module occasionally functions under wet conditions.
- ❖ When compared to the functions it offers, the system is affordable.
- ❖ The system must just require a short amount of training to be usable.

DATA FLOW DIAGRAMS :

