

**DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE  
PERAMBALUR**

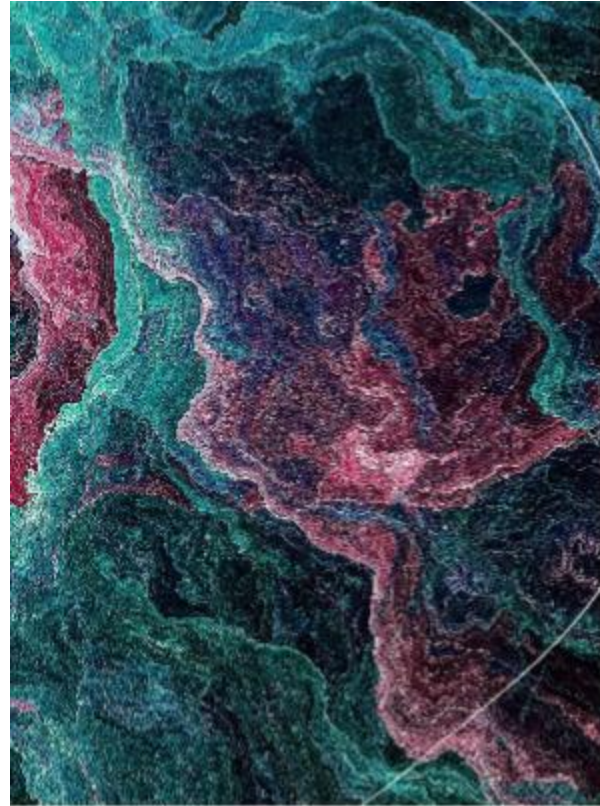
**. PROJECT TITLE:  
IOT BASED SAFETY GADGET FOR CHILD  
SAFETY MONITORING AND NOTIFICATION**



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## Child tracking system

## Abstract

Child tracking system is an app that can track and monitor the child location.

The aim of the project is to create a system to allow the parents to keep track of their kids when their child is out of their view.

However, with the child tracking system the parent can track and monitor their child location in just a simple app when the parent is in office.

A study on few existing tracking system have been done to gather the information and existing problem.

Methodology applied in this project is Rational Unified Process (RUP) model. Data collection method which are questionnaire and interview also conducted to gather the user requirements and needs for the system.

The result have been analysed based on user responses. Most of the user (parents) agree and looking forward the system to be implemented.

## Introduction

The child is a creature that makes their life become more joyful and meaningful.

However, parents cannot take care of their child from every moment.

As the days went past, the child will be grown up and starting their school life.

The parent is not possible to always stay beside of them as most of the parents needs to go for work to earn some income to sustain a family. Today's child is easier influenced by their friends, and they might even get cheated or kidnapped by any of the strangers.

## Literature review

The Star newspaper, police should prioritized the cases of missing children as they could be linked to human trafficking (Deputy Home Minister Datuk Masir Kujat, Thursday, 24 Mar 2016).

Based on The Star newspaper, a 17-year-old boy was abducted from his home in Taiping, blindfolded, bound and taken to Butterworth, Penang, some 90km away and kidnappers demanded a RM3mil ransom and threatened to kill the boy if it was not paid (Perak Police Chief Comm Datuk Hasnan Hassan, Thursday, 21 Sep 2017).



## Existing system

People cannot predict or determine what will happen next to them in next seconds.

This is the same scenario as people cannot acknowledge of when will be targeted, but can make precaution prevent it from happening.

As for the great parents, their greatest concerns are their child, especially regarding the safety of the child.

The parents start to take care of the child since born.

The parent is not possible to always stay beside of them as most of the parents needs to go for work to eam some money to sustain a family.

2) Lack of tracking technology for child. ☹ The parent is hardly to keep a watch on their child without the use of technology, especially when the child is in the outdoor. The parent even cannot avoid the negligence that will make by children in the future day.

3) Limited application for child monitoring. ☹ There are very limited application available for tracking child when they are out of parents control and let kidnapping or missing cases occurred.

## Proposed system

The objectives of developing this system were:

- 1) To reduce child kidnapping through introduction of the tracking system. ☐ The parent is not possible to always stay beside of children as most of the parents needs to go for work. By having this child tracking system, parents can track the location of their children.

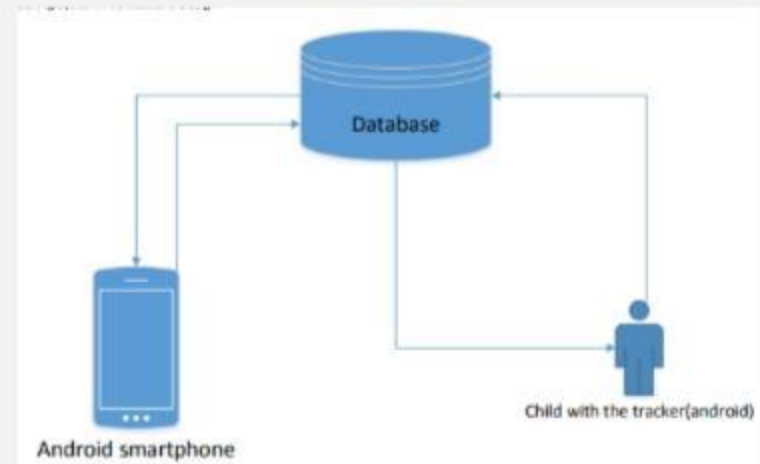
2) To propose tracking technology for child tracking system

- ☐ Using GPS as a tracking tool where it allows to determine the exact location (longitude and latitude) of the children. The technology can allow parents to track child whereabouts.

3) To develop a Child Tracking System.

- ☐ Parent can keep track their children movement when they were at outdoor and also current location of the child.

## IBM data based block diagram



## Explanation

The application will deal with the Android platform and is utilized for GPS following between different mobile devices. The application is mindful to keep track the location of the device. The parent or child account can be edit by parents. The application will include the route history trace where the parent track for the route their child traversed during a certain period of time. The application in the device will update the location of the child to the application by having the interval time for 30 min, 1 hour and 2 hour. Parent can select the interval time to view the current location of the child. Parent also can make call from the application if any inconvenience happens when the location not found or track.

## CONCLUSION

work day and night to sustain the family which causes them cannot know where their child is going during the working hour.

However, with the child tracking app, parent can track and monitor their child with just a simple app.

The parent is not possible to always stay beside of children as most of the parents needs to go for work.

By having this child tracking system, parents can track the location of their children. In order to avoid the kidnapping cases, the child tracking system is needed.



## REFERENCES

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