

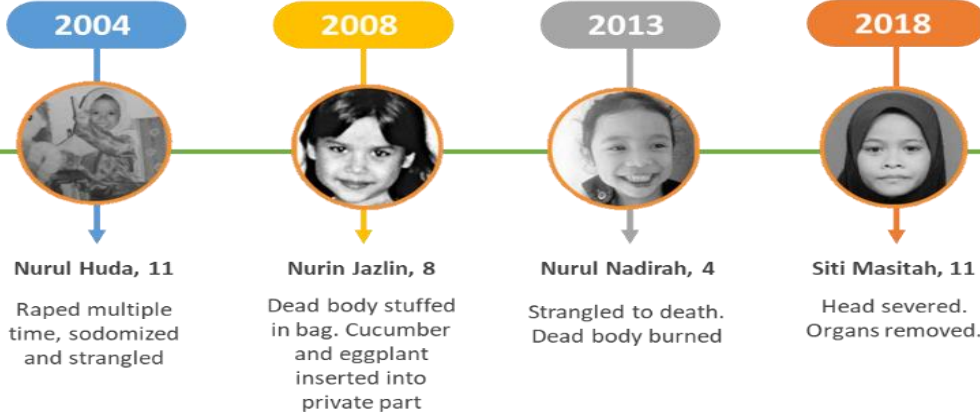
# GEOFENCE ALERTS APPLICATION WITH GPS TRACKING FOR CHILDREN MONITORING

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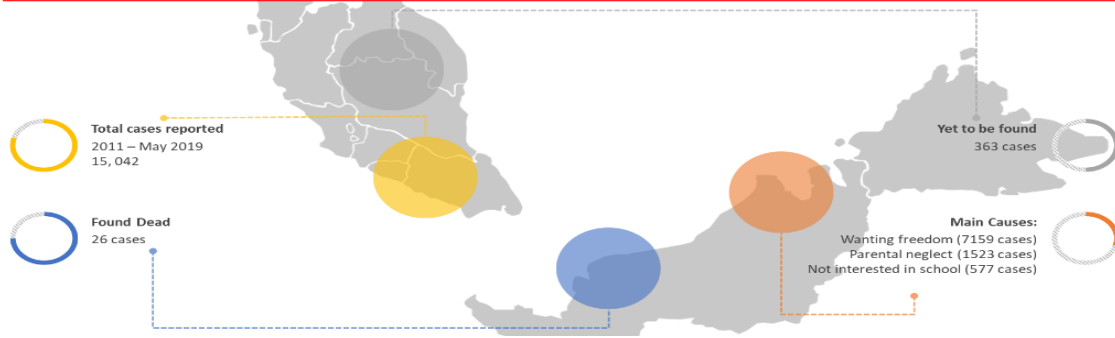


## Product Background

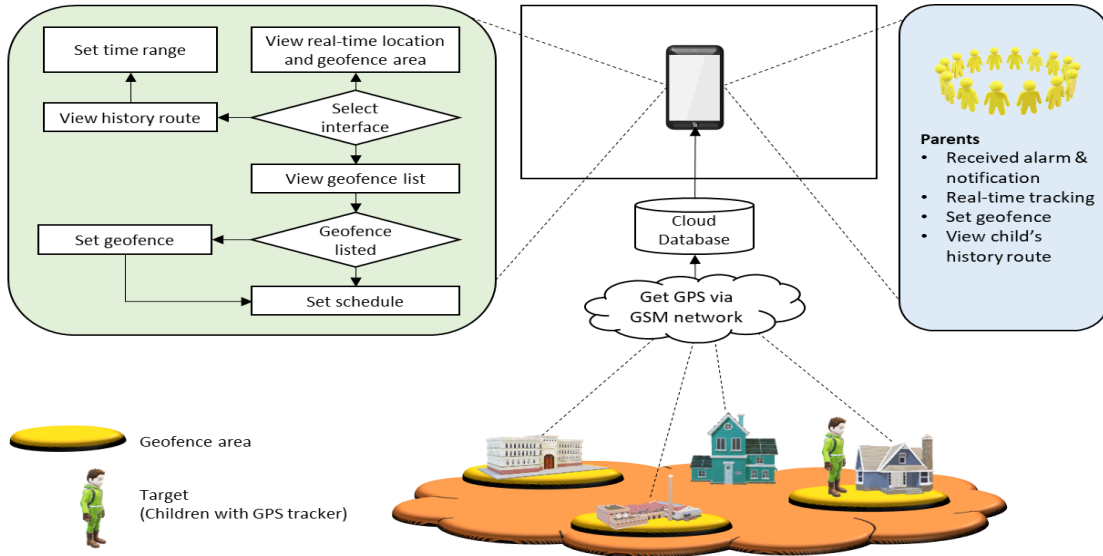
### INFAMOUS CASES OF MALAYSIA CHILD VICTIM



### CASES OF MISSING CHILDREN IN MALAYSIA



## Novelty



### COMPARISONS WITH OTHER PRODUCT IN THE MARKET

Features	Yepzon One	Jiobit	Relay	OEM brand in Shopee.com	Our App
Mobile based application	Yes	Yes	Yes	Yes	Yes
Real-time location map	Yes	Yes	Yes	Yes	Yes
Geofence setting	No	Yes	Yes	No	Yes
History route view	Yes	No	Yes	No	Yes
Alert & Notification	No	Yes	No	No	Yes

**Multi-personal tracker**  
 Universal GPS locator to track children, elderly with memory disorder and things. Even able to track patient under investigation (PUI) for Covid-19 cases.

**Schedule geofence location**  
 Set multiple geofence and schedule time for target presence.

## Applicability

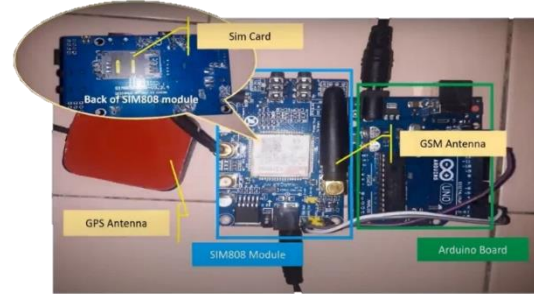
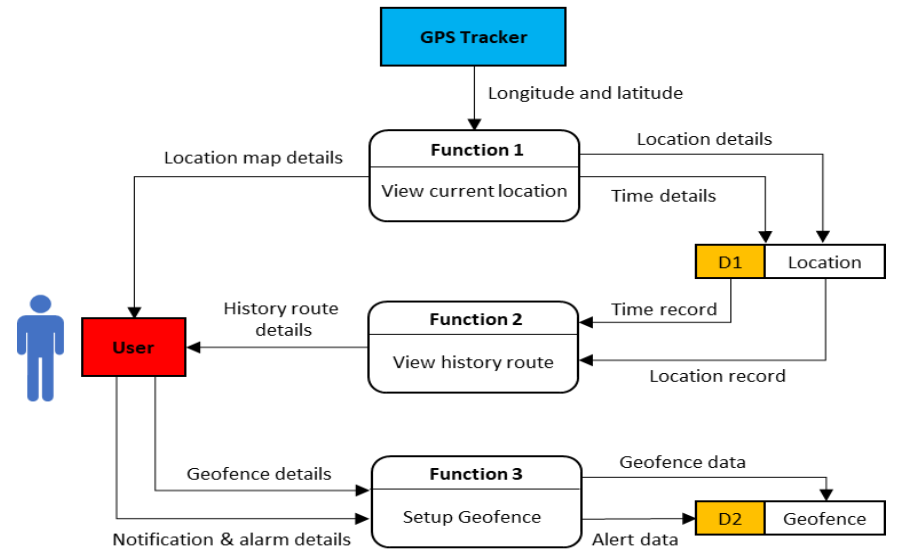
**Binding with android application**  
 Follow the moving target in real-time using mobile application in android environment.

**Geofence alert & notification alarm**  
 Get alert through notification and alarm on mobile phone when target is moving out from the geofence.

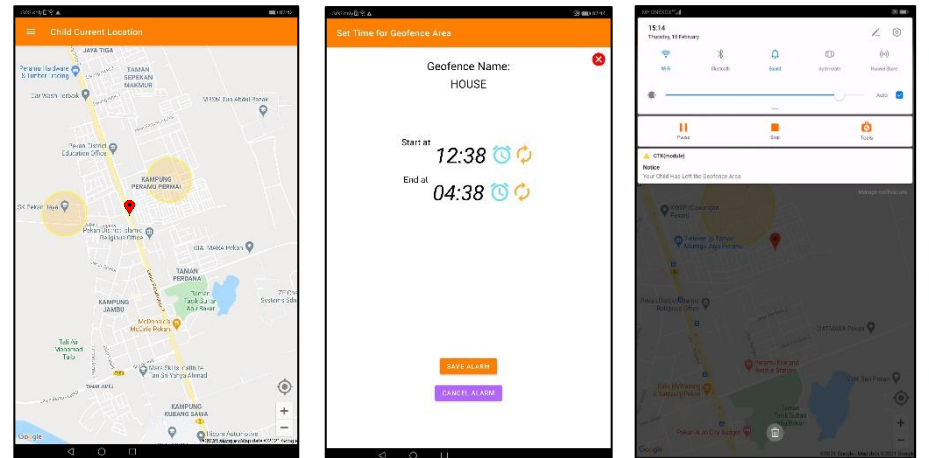
**GPS Accuracy: approx. 2.5M**  
 Tracking using GPS technology with accuracy approximate to 2.5 meters.

## Methods

### USED METHOD



## Product Image



## Cost Analysis

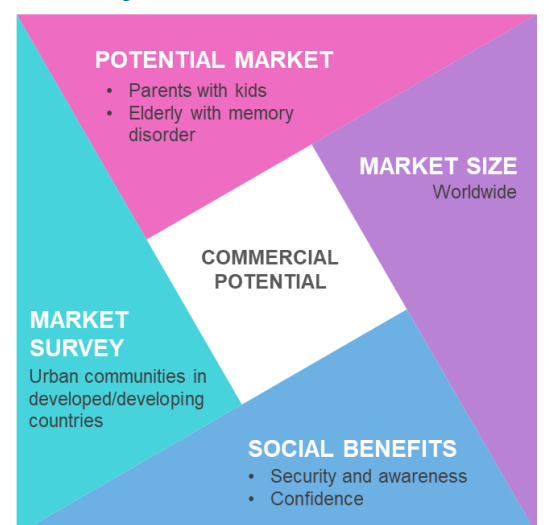
\* Our product priced around RM150.

	Yepzon One	Jiobit	Relay	*OEM brand in Shopee.com
Price	RM669	RM400	RM200	RM30-RM100

## Marketability & Commercialisation

**Industrial Partner**  
 PAKR@WORK

**Status of Innovation**  
 Ready to use product



## Publication

- Children Tracking System Using Arduino (CTS), Undergraduate thesis, Universiti Malaysia Pahang, 2021.
- Geofence Alerts Application With GPS Tracking For Children Monitoring, 7th International Conference on Software Engineering & Computer Systems (ICSECS), 2021 (IEEE Proceedings) (Submitted)