Ideathon

Idea 1:
This idea is mainly streamed towards child safety solutions by developing a gadget which can be tracked via its GPS locations and also a panic button on gadget is provided to alert the parent via GSM module calling for help. Parental android app is developed to manage and track the device anytime. Smart gadget device is always connected to parental phone which can receive and make phone calls and also receive SMS on gadget via GSM module, also a wireless technology is implemented on device which is useful to bound the device within a region of monitoring range, if device is moving out of monitoring range then an alert will be triggered on binding gadget, this helps you keep a virtual eye on child. Health monitoring system on gadget checking for parameters like heart beat/pulse rate and temperature is included which can be monitored on parental app. Gadget also monitors whether it is plugged on hand or not using contact switch and alert the parent as soon as it is unplugged.

Idea 2:
A portable device which will have a pressure switch. As soon as an assailant is about to attack the person or when the person senses any insecurity from a stranger, he/she can then put pressure on the device by squeezing or compressing it. Instantly the pressure sensor senses this pressure and a conventional SMS, with the victim's location will be sent to their parents/guardian cell phone numbers stored in the device while purchasing it, followed by a call. If the call is unanswered for a prolonged time, a call will be redirected to the police and the same message will be sent. Additionally, if the person crosses some area which is usually not accessed by the person then a message with the real-time location is sent to the parent/guardian's phone via conventional SMS.

Idea 3:
According to recent surveys child missing, child kidnapping cases are rapidly increasing in India [Child's safety in school buses and outside school premises is one of main concern for the parents today. The proposed system tries to provide security features to the children using new methodologies that are added to the existing safety system for better protection. The proposed system consists of portable unit, cloud system and android application. The portable unit consists of raspberry pi 2 model B, GPS receiver with antenna and pulse rate sensor. This unit will track the position of the child in the form of latitude longitude and altitude using GPS receiver and sense the pulse rate values using heart beat sensor. These data are sending to raspberry pi module which is

then injected into elastic-search with the help of internet connectivity. The android application in a user interface that shows the location of the child in map, path in which the child travelled and the speed in which child moves. The pulse rate of the child is also monitored in application real-time.