wALKwITHmE

By:
Anvika &
Vatsalya Agarwal

The wALKwITHmE Application

What is it??

Walk With Me is a security essential that tracks the user's location on a real time basis and raises an alarm in case of any emergencies that may occur .

What makes it different…

There are many mobile applications of this kind already available but here are some features that exclude it from the rest:-

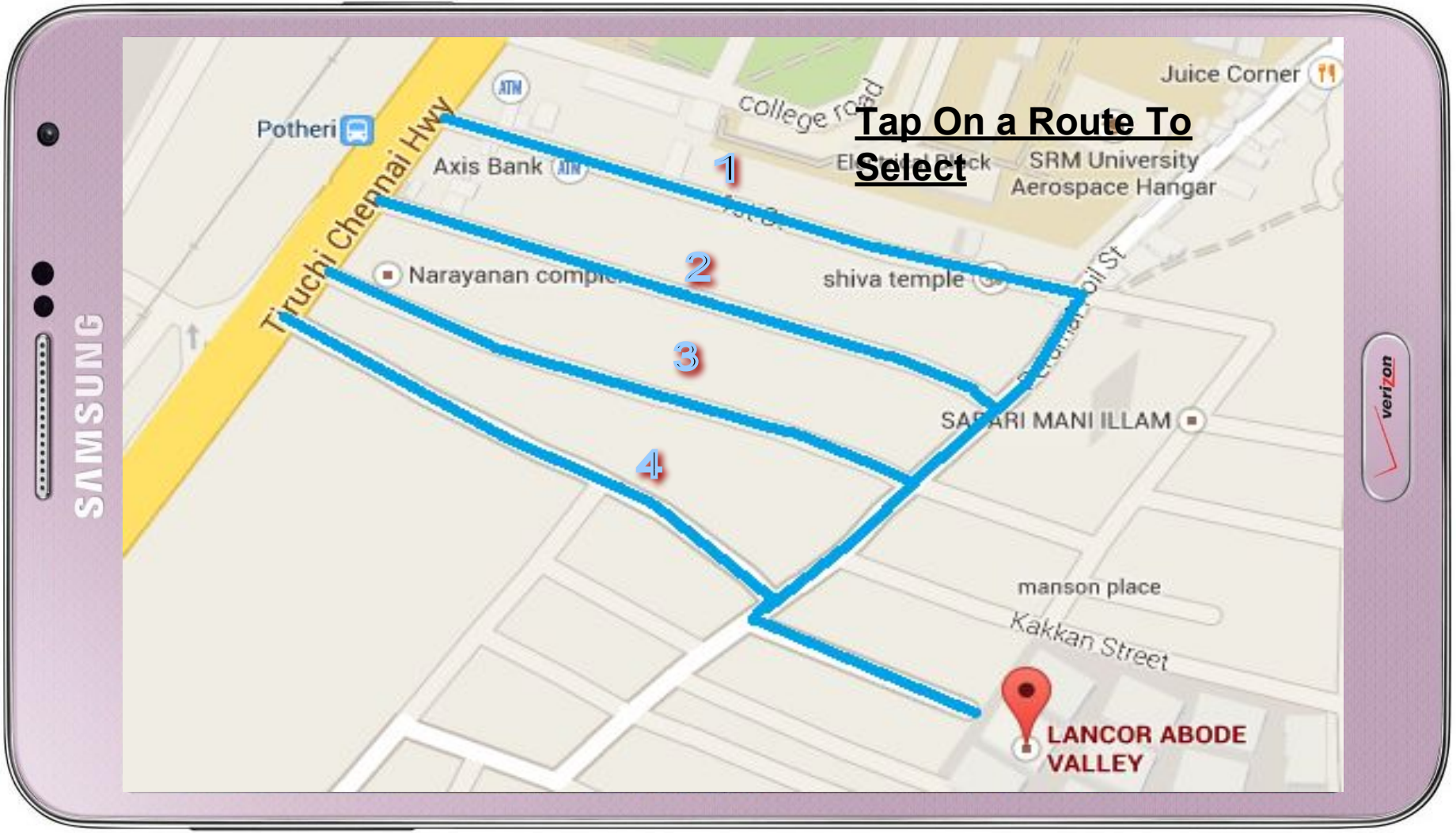
- Provides the user to enter the Source and Destination address so as to provide suitable pathways.
- Displays safe places along the route.
- Stipulates an approximate time of travel depending on the route and the mode of transport selected.
- Provides an Interactive Voice Response (IVR) that not only gives turn by turn instruction but can also be used to calm the user when in an isolated place.

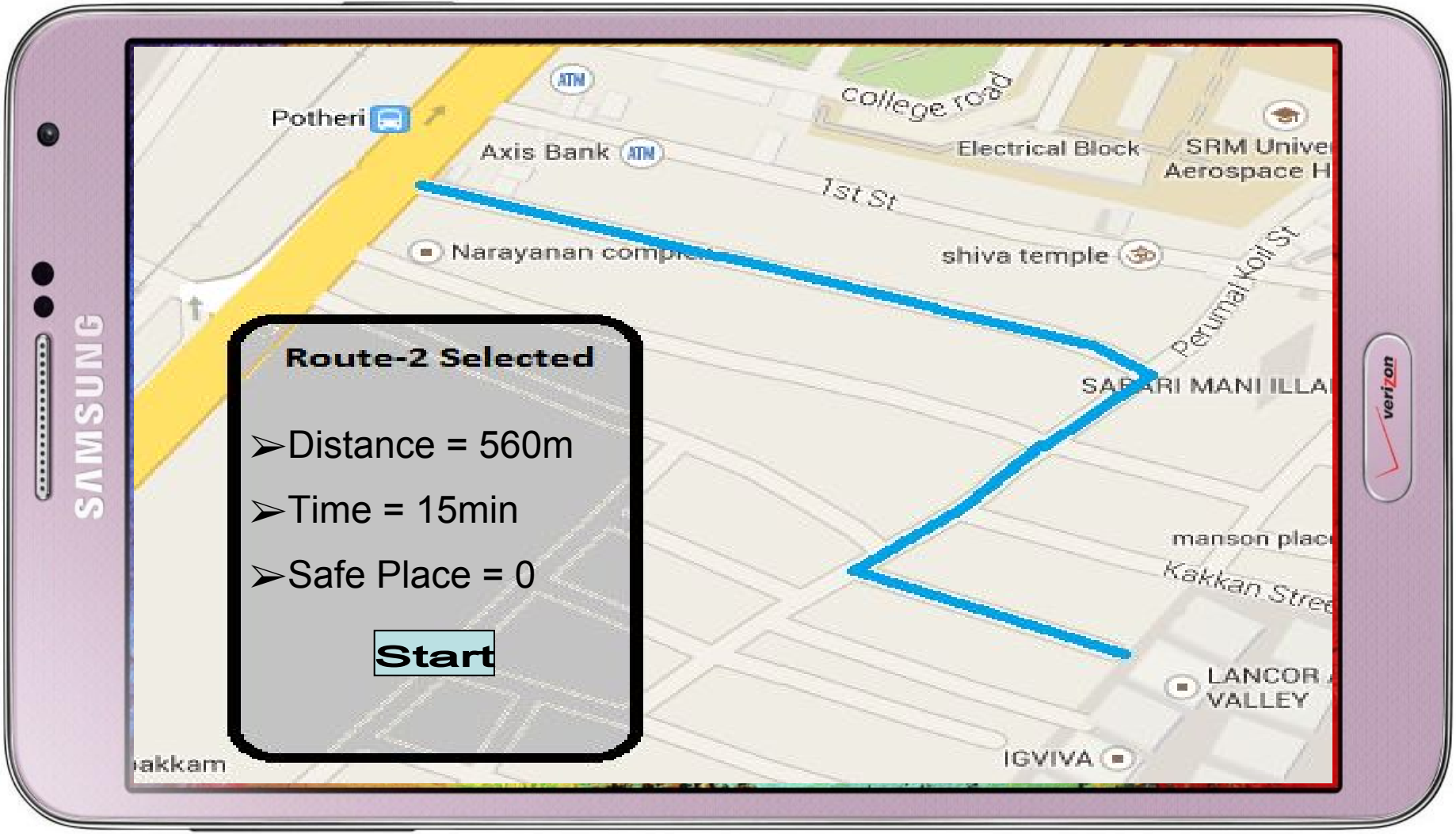
- It also recognises verbal gestures of predefined words such as “HELP” “SAVE”

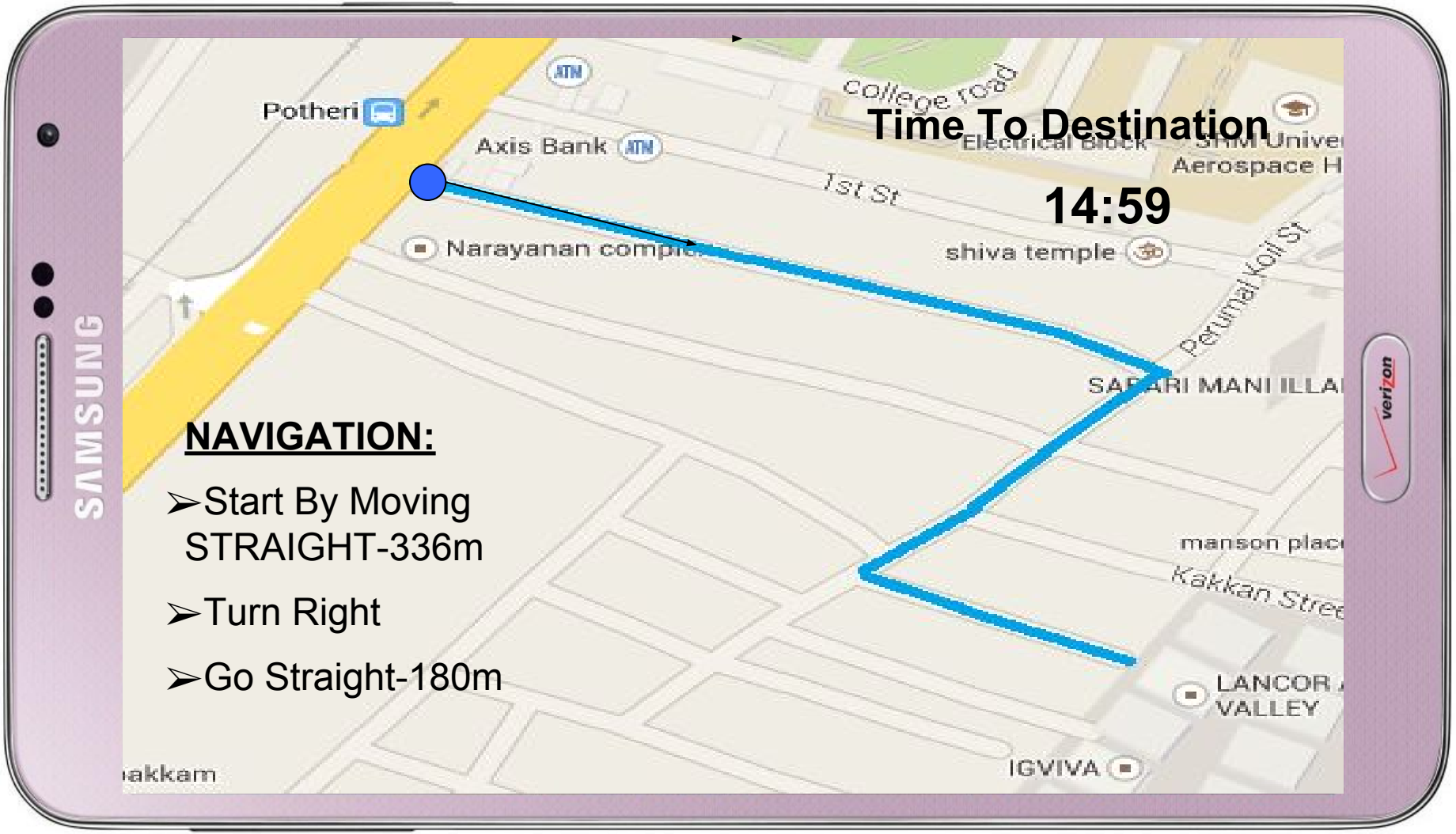
  etc.
- Can be used as a recorder that can serve as evidence.

How does it work??

- The user needs to feed in the Source and the Destination.
- The application provides them with the possible routes using GOOGLE MAPS.
- The application calculates the time based on the distance between the source and the destination and the mode of transport.
- It records the user movements on a real time basis.


Tap On a Route To Select
Juice Corner
college road
Potheri
Axis Bank
SRM University
Aerospace Hangar
Tiruchi Chennai Hwy
1
2
3
4
Narayanan compl
shiva temple
SAFARI MANI ILLAM
manson place
Kakkan Street
LANCOR ABODE VALLEY
SAMSUNG
verizon


Potheri
Axis Bank
College road
Electrical Block
SRM Univer
Aerospace H
1st St
Narayanan compl
shiva temple
Perumal Koil St
SAFARI MANI ILLA
manson place
Kakkan Stree
LANCOR
VALLEY
IGVIVA
akkam
Route-2 Selected
➢Distance = 560m
➢Time = 15min
➢Safe Place = 0
Start
SAMSUNG
verizon


Potheri
Axis Bank
College road
1st St
Narayanan compl
shiva temple
Perumal Koil St
SAFARI MANI ILLA
manson place
Kakkan Stree
LANCOR
VALLEY
IGVIVA
akkam
Time To Destination
14:59
NAVIGATION:
➢Start By Moving STRAIGHT-336m
➢Turn Right
➢Go Straight-180m
SAMSUNG
verizon

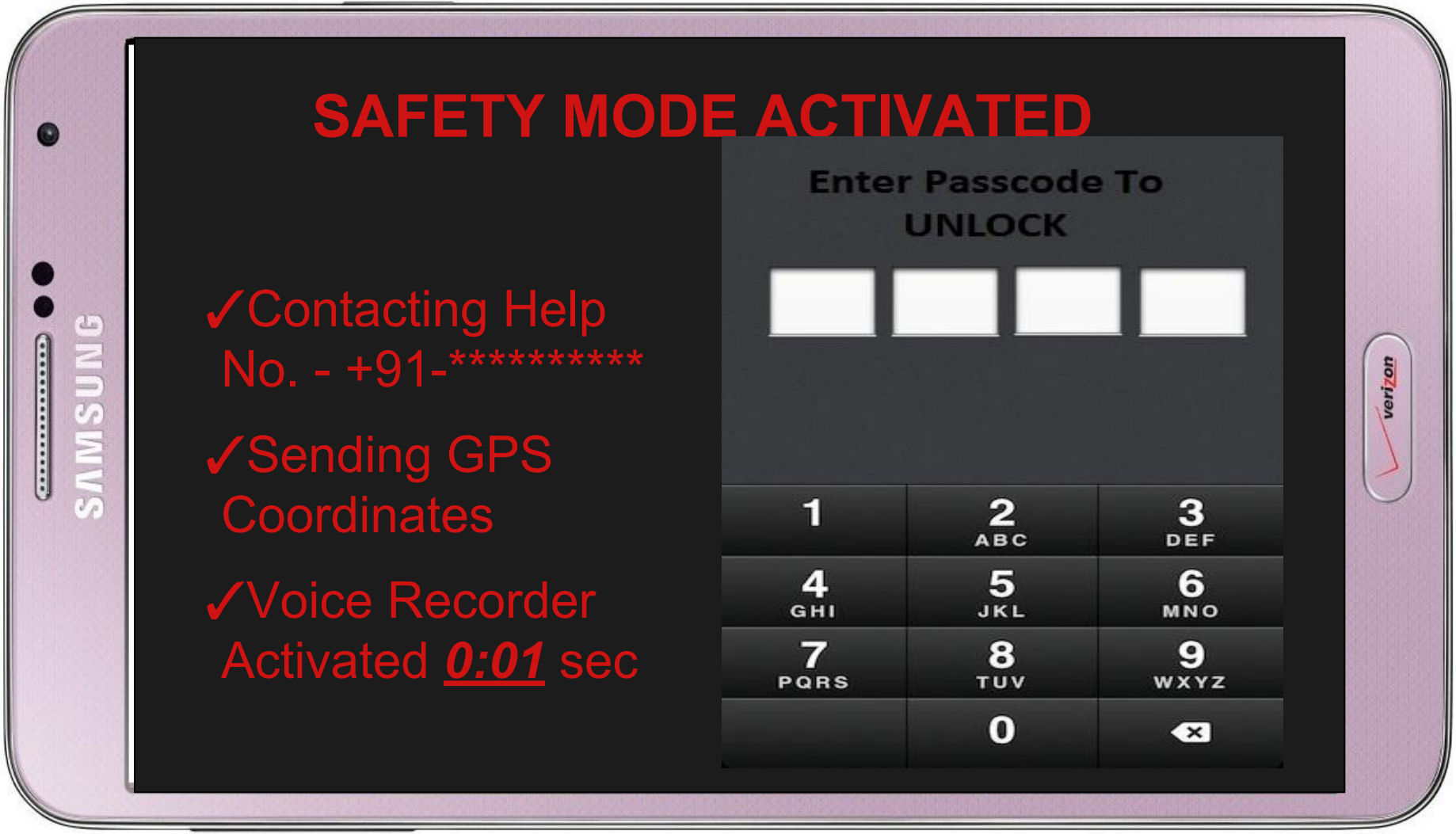
Safe mode:

The safety mode is triggered in the following ways:-

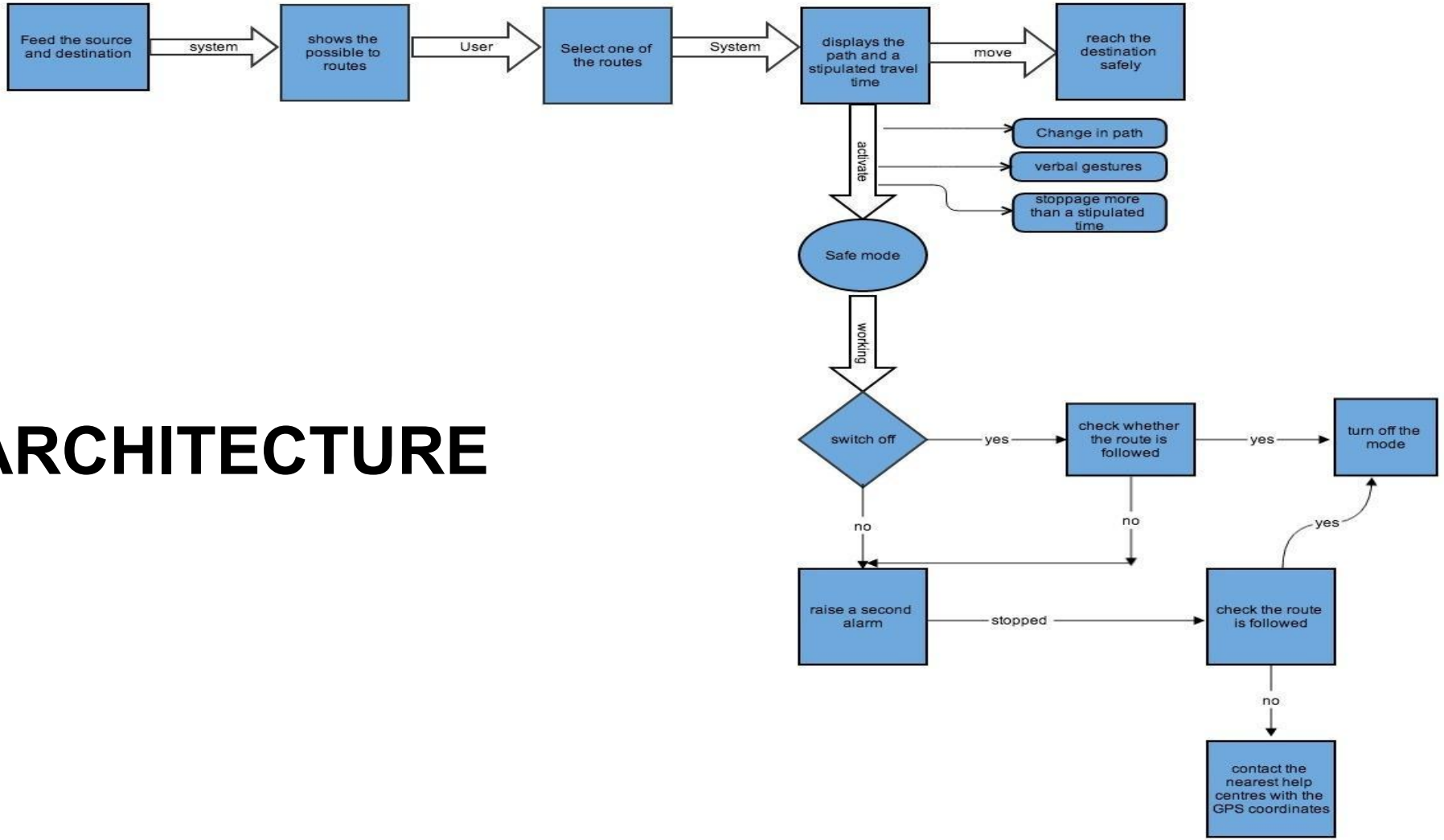
- If the user makes a unpredicted change in path.
- If the IVR system records predefined words as input.
- Or if the user stays still for more than the stipulated time.

What does SAFE mode do??

- It Locks the device for any further access.
- The SAFE mode triggers an alarm which needs to be turned off if the situation is not a critical one.
- If turned off, it verifies the path to avoid any discrepancy if at all it is turned off by someone else.
- If not turned off, it is triggered the second time which again if not responded makes the application to send the GPS coordinates to the nearest help centres .
- It also indicates safe places on the route to the user where the user can find herself safe till some help approaches.
- There is an option of feeding the details of some closed ones that can also be contacted when the safety alarm is raised.


SAFETY MODE ACTIVATED
✓Contacting Help No. - +91-**********
✓Sending GPS Coordinates
✓Voice Recorder Activated 0:01 sec
Enter Passcode To UNLOCK
1
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ
0
SAMSUNG
verizon

ARCHITECTURE



Pros:

- Is very simple to use.
- Architecture is simple and the system is highly reliable .
- The IVR is yet another helpful feature that enables safety mode just with verbal gestures.
- It displays safe locations throughout the route.

Cons..

- GPS and internet connectivity are a must.
- Battery power is an issue as it requires minimum 10% battery.
- Signal also plays an important factor.
- Alarms can at times be buggy.

Conclusion:

- This innovation can be a standing milestone in achieving women’s safety and improve the future scenario.

THANK YOU.....