



PRAKASH APP

The 24/7 bodyguard that will protect and save you from any mishap



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IDEA

- ▶ In case of any mishap detected in terms of natural disaster(earthquake), accident, fire or any unusual change ,first it asks user if he is fine .
- ▶ If within 2 minutes no reply comes, it alerts your emergency contacts (that you save in app)





IDEA contd.

- **Alert that you are in danger and emergency is provided to emergency contacts set by you in the form of messaging**
- **Messaging them about your GPS details, nearest hospital details(ambulance no. and hospital location),and will click front ,rear photos and start recording.**
- **For an undetected person(in case of collapse in accidents or earthquake) at that location, bluetooth system may be enabled to find him.**

ALERT systems

Earthquake



Train accident



Stairs fall



Road Accident



Fire / Heat change










APIs and Sensors used



APIs



-  Hospital API
-  Zip code API
-  Nearest road API
-  Earthquake API
-  Elevation API

Sensors



-  Temperature Sensor
-  Accelerometer Sensor

WORKING

- In case of earthquake, realtime API of USGS triggers and checks for the current location of mobile
- In case of accident(road /train accident), sudden change in accelerometer sensor is detected
- In case of fire, sudden change in Temperature sensor is detected
- If any of above case is true, Elevation API and Nearest road APIs are used alongwith phone location to get accurate position

WORKING contd.

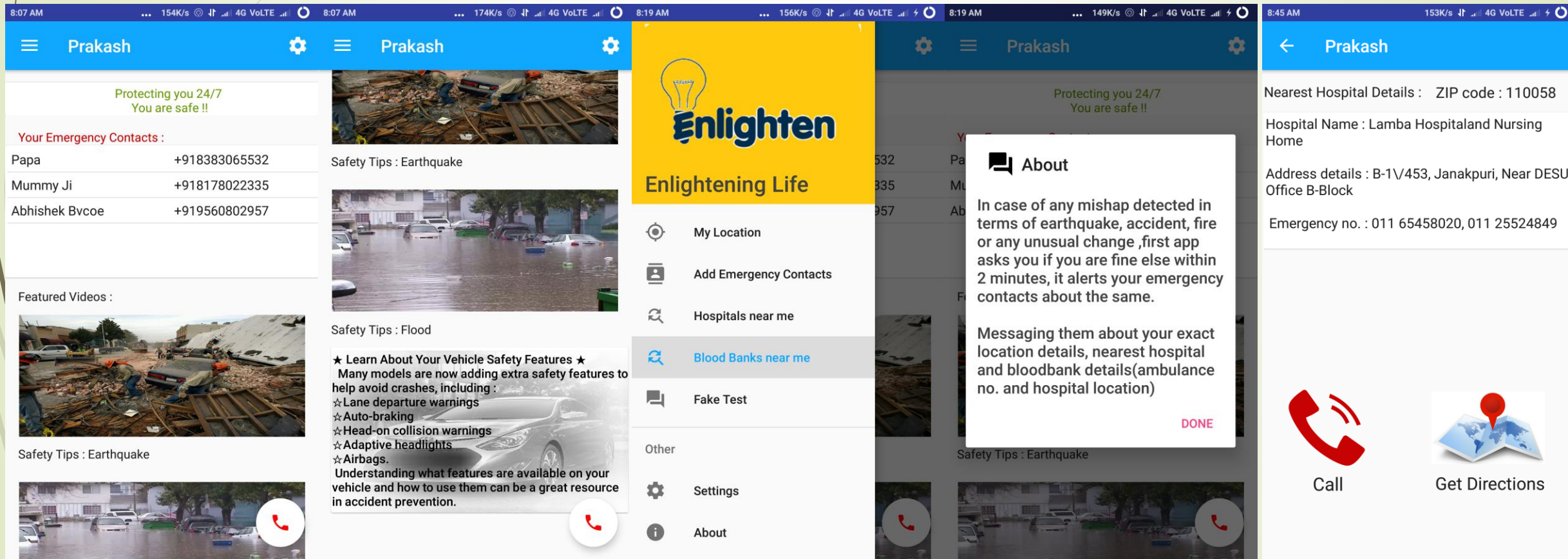
- Now Hospital API provided searches for the nearest hospital using ZIP API
- Firebase is used for saving and retrieving realtime database, images and videos
- Now, an alert message is sent to all emergency contacts listed(in case of no response by user within 2 min)
- Alert message includes:
 1. Accurate location of user(alongwith his height from road level)
 2. The list of nearest hospitals alongwith its location and emergency contact no.
 3. Prediction of the emergency case

How app is unique

It's DIFFERENT !!

- There are cases when in any accident or earthquake , there is a huge time gap in providing help and searching for hospitals & in heat of the moment becomes very difficult
- App saves that precious time and provides help efficiently providing all that you may need
- This app reduces the fake cases which may otherwise occur due to any phone problem
- Since, app uses Firebase to save its database , all the data remains synced so it can also work offline

Screenshots of App:



Screenshots

Prakash

Nearest BloodBank Details : ZIP : 110058

Blood Bank Name : Mata Chanan Devi Hospital Blood Bank

Address Details : Mata Chanan Devi Hospital, C-1 Janakpuri New Delhi

Emergency no. : 011 45582193, 011 45582194

ACCOUNT DONE

Name *
Jaspreet Singh

Mobile *
9412544188

Username *
Jaspreet

EMERGENCY

Contact to : My Emergency Contacts

Delete my emergency contacts

SENSORS

Accelerometer sensor
for the case of accidents (recommended)

Navigation

Your location
C-1-130

8 min 19 min 23 min 8 min

10 min 10 min 8 min

8 min (2.9 km)
Fastest route, the usual traffic

STEPS & MORE START

EMERGENCY

Time Remaining to stop Alert :
111s

Are you in danger?

YES **NO**

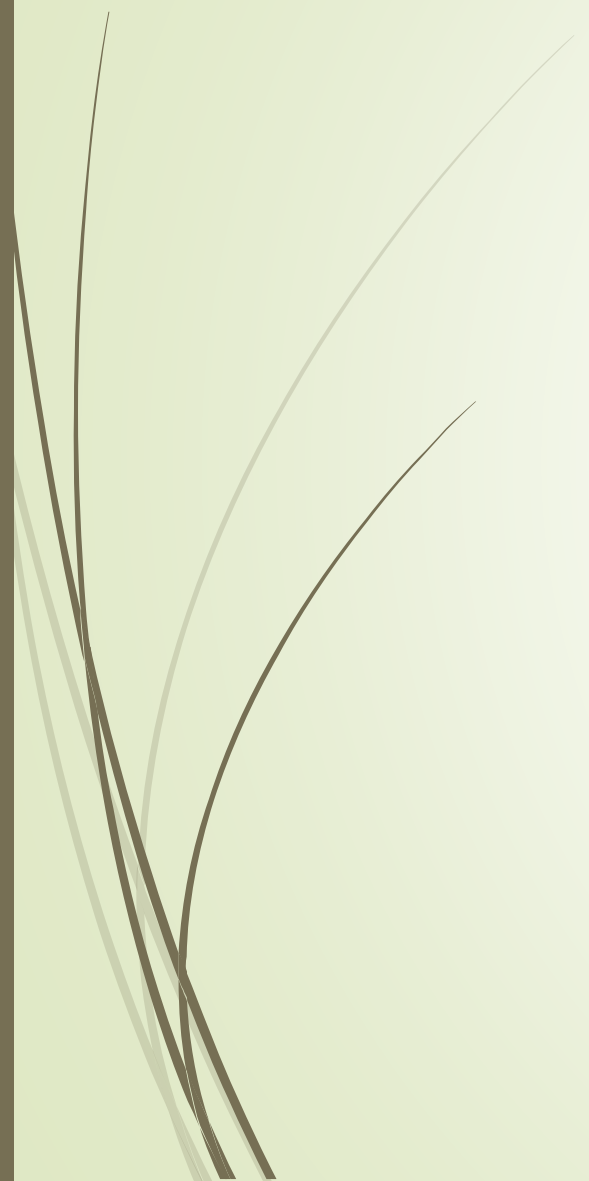
Mummy Ji
+91 81780 22335 India

3:04 PM

8:34 AM

Your friend may be in danger as a sudden change in accelerometer reading was noted. His location is : <https://www.google.com/maps/search/?q=28.6246841,77.0971134/> & at the height of 0.08067321777340908 metres from road level. The emergency no. of nearest hospital (Lamba Hospitaland Nursing Home) are [011-85438020](tel:011-85438020), [011-29524548](tel:011-29524548). The contact no. of nearest blood bank (Mata Chanan Devi Hospital Blood Bank) [011-45582193](tel:011-45582193), [011-45582194](tel:011-45582194)

Text message



THANK YOU