



# WOMEN SAFETY AND EMPOWERMENT

DONE BY

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TRACKY



TRINETRA

FRAUD  
DETECTION

# INTRODUCTION

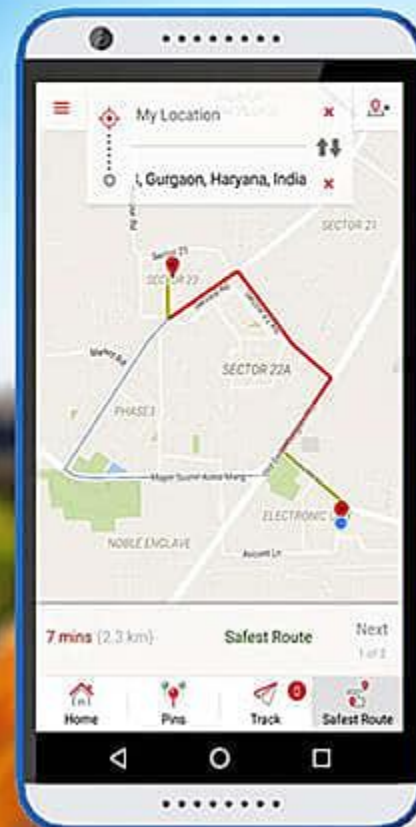
- Every 8 minutes a child goes missing in India.
- 97% of mobile users are never away from their device.
- Of the world's 4 billion mobile phones in use, 3.05 billion are SMS enabled.

# TRACKY

Get notifications in unsafe locations  
and let friends track you



Choose safer route when you travel



Let other knows how safe you  
feel here.



# TRACKY

- Sends message to listed contact along with your physical location.
- Users get an alert button when they enter the app in an area which has been marked potentially unsafe by any user.
- When the alert button is clicked the app sends the current GPS location to the nearest police station.

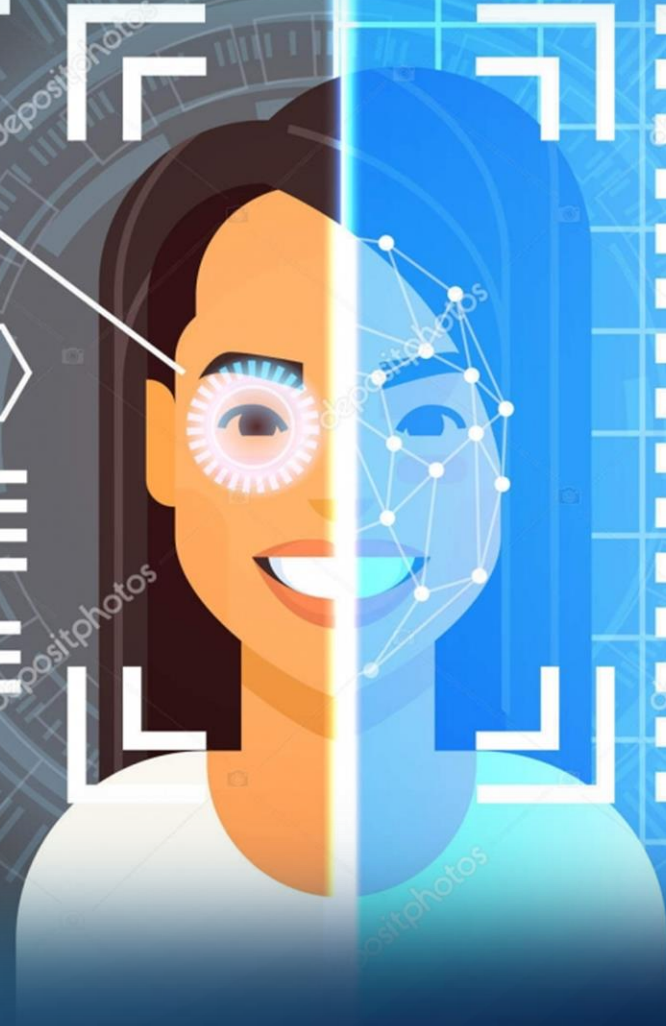


TRINETRA



YOU'RE BEING WATCHED...

FACE  
RECOGNITION



**POLICE OFFICER'S EMAIL ID**



# TRINETRA

- Whenever a child is found missing, image of the missing child along with the date is posted in the app so that the details will be sent to the police control room.
- This photo is then compared with the images captured recently by the security cameras.
- If any match is found, the location in which the image is captured is sent to that area police station.



# FRAUD DETECTION



# FRAUD DETECTION

- Suppose a person receives a fraudulent call asking for bank or credit card details and if the person gives the details.
- The OTP'S received from the bank are sent to the app and a voice message is read aloud in the local language set by the user asking for confirmation.
- Even if OTP is given to the fraud, then the transaction is detected as suspicious if IP address of the devices where recent transactions are done are not matched.

# TECHNOLOGIES USED

- Tracky- Google Maps API, Firebase.
- Trinetra- Image processing, Face Recognition techniques.
- Fraud Detection- Classification Algorithms(Logistic Regression, K Nearest Neighbors (KNN), Random Forest Classifier).