



ENIGMA

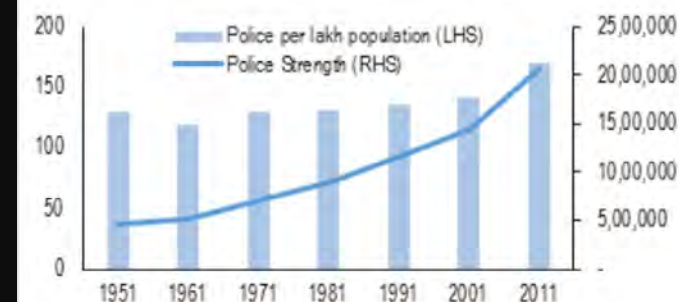
SMART · SAFE · SECURE



PROBLEMS FACED BY THE INDIAN POLICE TODAY :

- State police forces had 24% vacancies (about 5.5 lakh vacancies) in January 2016. Hence, while the sanctioned police strength was 181 police per lakh persons in 2016, the actual strength was 137 police. Note that the United Nations recommended standard is 222 police per lakh persons.
- In the 2014 study sponsored by BPRD and ASCI it was found that 90% officers work for more than 8 hours a day and 73% don't get a weekly off even once a month and are called on emergency duties from their rare off days as well while 30% SHO's work for more than 14 hours a day .
- It is observed that long working hours was the reason police officers were not fit and healthy and behaved rudely with the public which further diminished the image for police in general
- Crime per lakh population has increased by 28% over the last decade (2005-2015), however conviction rate is still low. In 2015 conviction was secured in only 47% of the cases registered.
- Rule of law index: India is on the 79th position currently, according to an estimate the quality of law and order has an impact on the GDP of the country due to this India's GDP is 9% less

Figure 3: Increase in strength of state police forces (1951-2011)



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INTRODUCING ENIGMA

An app that solves all the problems mentioned in the previous slide with the help of 5G and AI



- Introducing Enigma, a cutting-edge application poised to revolutionize law enforcement practices. Enigma is meticulously crafted to seamlessly integrate with existing police systems and harness the power of 5G technology.
- Our advanced AI algorithms set the stage for a transformative investigative experience, simplifying the generation of FIRs and charge sheets with just one click.
- Enigma's capabilities extend beyond documentation — it excels in identifying narrative gaps, suggesting follow-up questions, and recommending strategic next steps in investigations.
- With the incorporation of AJAX protocol and jQuery, Enigma ensures asynchronous and seamless communication, leveraging the speed and efficiency of 5G. This app is not just a solution; it's a strategic ally for law enforcement, enhancing their capabilities, optimizing workflows, and shaping the future of investigative practices.
- Welcome to Enigma — where innovation meets law enforcement excellence.



PAGE: FIR

The fir page help the officers to generate the fir with the click of just a button ,

Here is how it works :

- When the victim enters the station the police man starts the app and clicks on “new” and selects the language which can also be set default according to the region and the app automatically starts recording
- Now the app automatically converts the language in real-time and sends it to our state of the art AI model
- Now from the incoming statement, the ai model extracts a few things :
 - 1) details of the crime eg. Location, Time ,etc.
 - 2) correct section of the law to invoke according to the details of the crime
 - 3) Once it does that then it goes through the list of predetermined evidences required to prove this crime in the court and then searches the victim’s statement to find these details ex. The description of the accused etc.
 - 4) If not found the app prompts the officer to ask a follow up question regarding the particular detail. This all is done very quickly with the help of 5G
 - 5) It also goes through the data of previous cases and tries to find if anything similar to this happened and if so are these two crimes connected as this further helps in the investigation
 - 6) Once all the information is extracted from the complainant the officer can then generate fir with just a click of a button.



8:31

78%

Sections

390 378

List of Data

☒ Time of crime

☒ Location

☒ Type of crime

☒ Stolen Item

☒ Victim

☒ Accused

Follow up questions

When did the event take place?

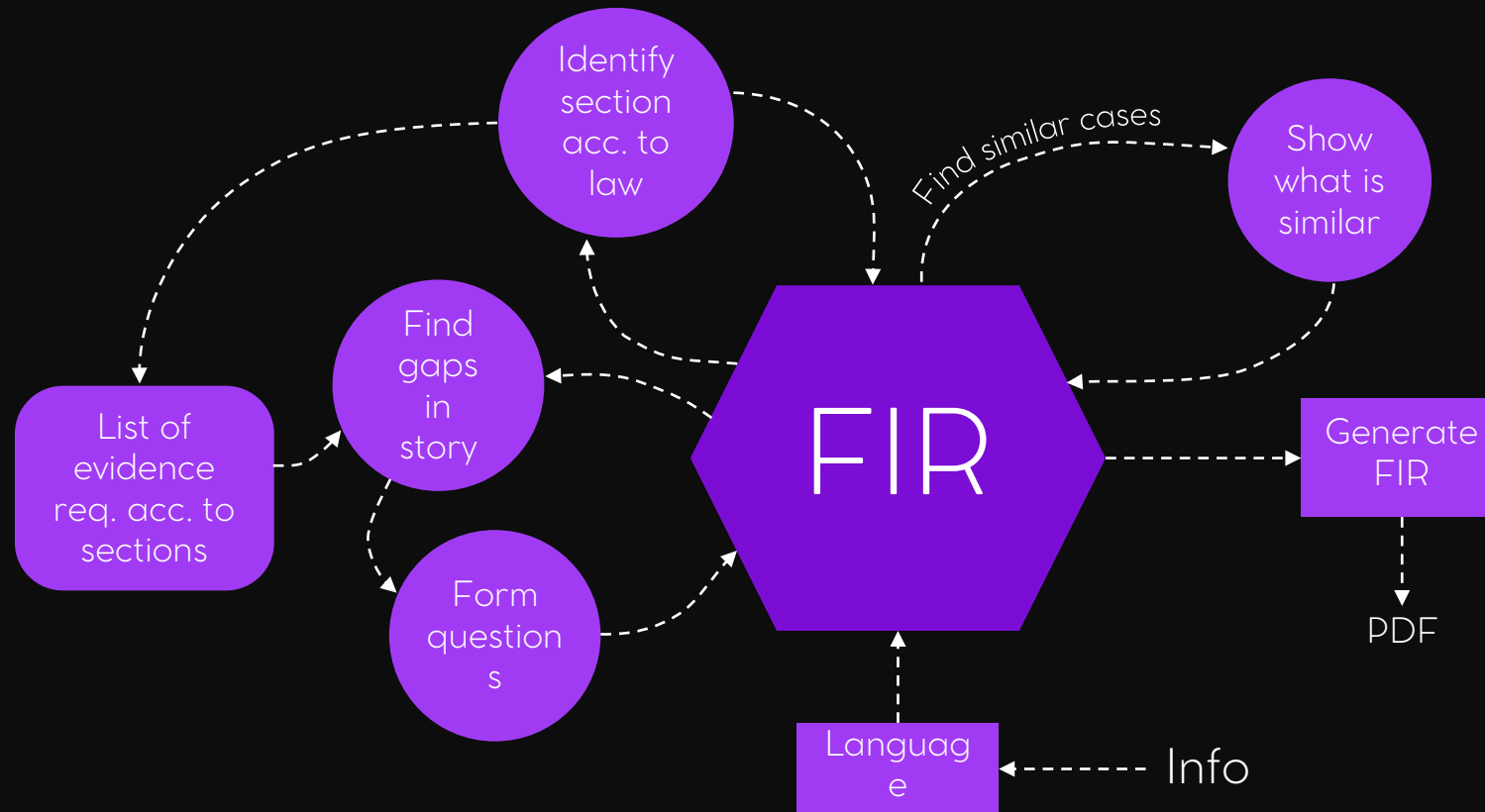
Language

Telugu

My name is abhijit. Tonight 3 masked men entered my house through the window with the intention to steal. One of them wore a blue shirt and the other one wore a red shirt. There were no items stolen....

Details

AI





PAGE: ANALYSIS

The analysis page helps the officers by assisting them in the analysis of the crime.

- Firstly, the AI model organizes the know data aquired from the complainant and displays it in a very readable and simple format for the officer to see
- This includes:
 - 1) info on the complainant , victim , and the accused
 - 2) section of law
 - 3) evidence generally required to prove such a crime.
 - 4) and general do's and don't in such a crime
- It also searches through the data base for similar cases and how they were solver for some guidance .
- Secondly based on the list of unavailable evidences it suggests the officers with further steps to be taken in order to acquire that data
- Lastly, once all the data is acquired the officer can then generate the charge sheet with just a click of a button



8:33

78%

Sections

390 378

collected data

☒ Time of crime

☒ Type of crime

☒ Location

☒ Stolen Item

☒ Victim

Next Steps

1)Gather info on the suspect Pheelip

2)Check the CCTV footage of the area

3)Send the data for forensics report

4)Investigate the victims house

Follow-up questions

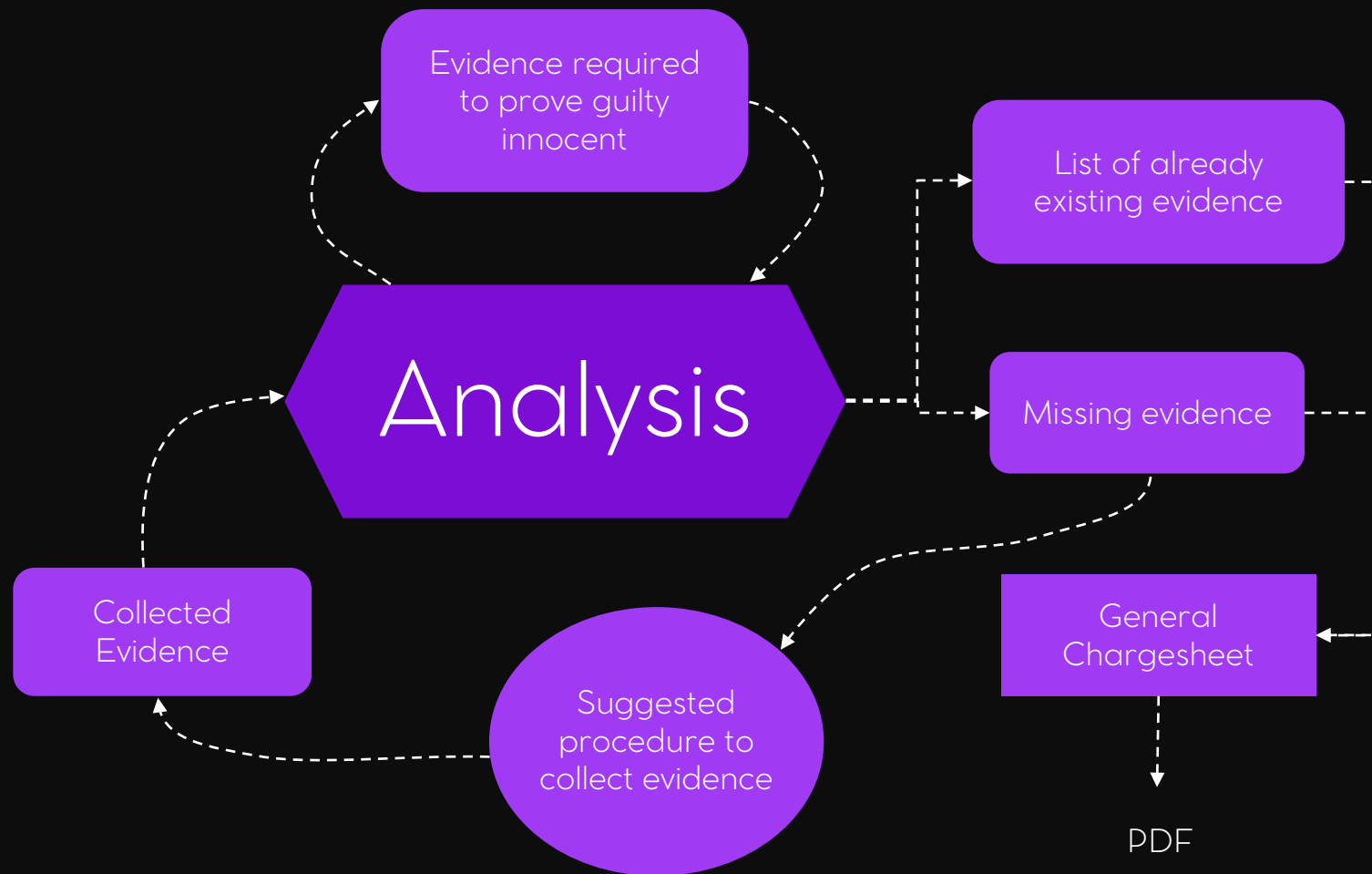
What were you doing before the event took place?

How did the thugs enter your house?

Can you identify the thug who got away

Details

AI





FUTURE

This app has the potential to become very huge in the future:

- 1) We can work with the already existing CCNTS and make a unified database of all crimes which can be searched through easily and simply and can also help in managing and transfer of cases.
- 2) We further intend to develop the AI model such that it can also detect the emotions in the complainants voice which may help in confirming whether he is speaking the truth or not and may also aid in further investigation. It will also help in detecting the mood of the complainant and providing him with the necessary support.
- 3) The app can also be connected with various existing IOT devices such as CCTV's , body-cams , geotrackers which will further simplify the investigation procedure.



CONCLUSION

- With the help of this app we hope to relive some work off the backs of our very overworked police force
- The current police strength may be less than the no. advised by the UN but with help of this app each station will perform with its double efficiency .
- The can be seamlessly integrated with the help of current technology and won't be a burden on the budget.
- With the help of this app , the officers can focus more on the solving crime instead of document work.
- This app will help India to be ranked no. 1 on the rule of law index which will have a positive impact on our GDP
- But our vision doesn't stop here we plan to export our product all across the globe and show them the power of Indian innovation all the while making the world a better place .

THANK YOU