

Online Crime Reporting System Using Python Django

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ABSTRACT: Online crime reporting system came up with the solution to replace the old manual complaint registration system. The victims can file the case and submit the evidence under the various sections on a single website. This project provides features like anonymous tip, alert systems, case status, crime notice board, cyber crime complaint registration, GPS tracking system, police contact details with the station address, and provide the safe storage for storing evidence and files and maintain a backup of every single data which helps the police to investigate the case and provide justice to victims in a meantime.

INTRODUCTION: The "Online Crime Reporting System" has been developed to override the problems in the manual system. This project helps the people who are shy or scared to visit the police station and help them to register the complaint. In the manual system it is hard to maintain the case files and evidence, when the case investigation grows managing the data will be difficult. So this project is very helpful to manage the files and case evidence in a proper way with the backup and minimizing the manual errors, easy to use no advance level knowledge is required and identity safe features will encourage the public to support the police officials by providing anonymous tips, alerts about crimes and sharing evidences and proofs related to crimes. And cyber crime reporting, crime notice board, warnings and alerts, case status, file backup, and managing and many more features like this provide the robustness to this project, by this crime rate can be controlled easily.

KEYWORDS: Anonymous tip, File Backup, Crime alert, Cyber complaint.

LITERATURE REVIEW: The idea draws motivation from the people who hesitate to visit the police station and personal belief of weak investigation and corruption and limited spreading of crime information [3]. The usage of the internet is increased in every sector, so people find it easier to register a complaint online rather than visiting the police station, it is secure and possible to hide

their identity if they want [1]. This application helps to create a bridge between normal people and the police department to share information and evidence [1] [2]. It is helpful to track and monitor the criminals around the state and country and maintain a complete record of criminal information [1]. It helps to search and access a large amount of data in less amount of time and provides a language-independent search over a large amount of data collected from different sources [2]. It provides online assistance and general information and creates awareness among the people [1]. Helps the people to gather general information and valuable advice and crime control methods, along with case investigation status and 'SOS' capability in which a person can press a button and their location is shared with the nearest police station [3].

EXISTING SYSTEM: In the manual existing system, people need to visit personally to the police station to file a complaint, the case files and complaint records are still stored in files and kept them in a room, chances of data loss is high and evidence like CD, audio files, photos are stored without backup in old traditional methods when the investigation starts, the evidence and records of that case grow eventually, if the old case reopens after a long time then it will take an enormous amount of time, in the existing system it's hard to maintain a large amount of data and searching a particular data takes huge time.

Some people are scared to visit the police station and file a complaint due to many reasons and corruption in some police stations won't let everyone to file a complaint and they fail to bring justice to the people on time. Most of the victims are less known about the legal procedures and the process to file a complaint will result in most of the crimes will not come into notice, in this pandemic situation many victims will not visit police station due to the fear of COVID-19 this makes the increase in crime rate.

PROPOSED SYSTEM: The online crime reporting system helps the victim to file a complaint online under various sections, there is no need to visit the police station and the victim can file the complaint with evidences like photos, audio clip, or video clip attached to it. It helps to maintain and manage a large amount of data and any data can be searched easily, easy to register the cyber crime complaint and the user can hide his identity while filing a complaint or giving anonymous tip to the police and every data is stored safely with proper backup so there is no data loss. Police are having a criminal database and it helps them to alert everyone in emergency situations, the admin of the police station can update the complaint status and inform the victim about the investigation state and take the necessary steps. Police and user are having their own id and dashboard this helps them to manage the files and through this project, it helps to create a bridge between the police and normal people.

Through this, the police can spread awareness about drugs, women safety, child labour and cyber crimes and many more things like this and helps to reach a large number of people in less time. With feedback form and comment features help this project to interact with the people in an efficient way, this makes people contact police without hesitation and with hope and trust.

OBJECTIVES: Through Online crime reporting system, its main goal is to control crime and bring justice to the people on time. Every crime should be registered and the culprit should be arrested and sent to jail, and this project helps the police to detect and prevent the crime easily, and manage a large amount of data and prevent the data loss due to old traditional data storing methods, and helps to create a bond between people and the police this encourages to reach the common goals and fight against the common enemies and works for the welfare of the society.

ALGORITHM:

User:

- Step 1: Start
- Step 2: Input Username Password
- Step 3: If (Username == "UserID" && Password == "UserPassword")
- THEN Go to Step 4
- ELSE Go to Step 7
- Step 4: Register complaint and upload evidence
- Step 5: Save complaint register id
- Step 6: Check complaint status
- Step 7: End

Admin:

- Step 1: Start
- Step 2: Input Username Password
- Step 3: If (Username == "Admin" && Password == "Admin")
- THEN Go to Step 4
- ELSE Go to Step 8
- Step 4: View complaints
- Step 5: Manage the complaints and provide complaint register id
- Step 6: update the complaint status
- Step 7: Take necessary steps
- Step 8: End

CONCLUSION : The online crime reporting system is a web application and helps the people to register all type of complaints in a single web site with many features and easy to use and simple with the non-complex approach. Anyone who is making crimes and against the law will now have some fear because filing a complaint is much easier than it was before, This will reduce the corruption in the police station, it will help to store and manage every bit of data and helps to increase the investigation speed and helps to maintain a single crime record database which helps to predict and prevent the crimes, the features like SOS and anonymous tip, cyber crime complaint registration will robust the online crime reporting system. This project will help the police and government to spread awareness and alert to a large number of people in less time. It helps to the people who hesitate to visit the police station and let them register complaint online, in this pandemic situations no one is willing to visit the police station and file a complaint so this project will help all those people who are quarantined or scared to visit the police station and help them to register any kind of complaints in a single website, this project helps to take a big step in controlling crimes and making corruption less society.

FUTURE SCOPE: The government can implement this project with better GPS tracking system with cloud storage, and implement this project in android will allow people to register a complaint from their cell phones

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