Web Portal For Registering Women's Grievance

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Abstract— Nowadays, In order to create an economic measure of the direct and indirect effects of crime, it is necessary to consider the effects of crime on victims. Major research interest in the effects of crime on victims started in the 1970s-1980s, spurred by the adoption of victimisation surveys of the general population to measure the amount of crime communication. It affects the human life very badly. The effects of crime on victims (both individuals and corporate entities) are multiple. In contrast to the effects of accidental injury or disease, research on the effects of crime has stressed mental, psychological and social effects, compared to physical or financial effects. Indeed, some have suggested that being the victim of crime is qualitatively different from being the victim of an accident or disease, because it includes someone deliberately or recklessly harming you. It's often found that the victim most of times avoid filing the complaint against the criminal. To overcome this problem we have propose online complaint register system which is based on QR code And DES encryption algorithm. This system will not only hide the identity of victim. But also secures the data sent to police department in the form QR Code. Information sent cannot be hacked by any third person. System has many functionalities like tracking our complaint, auto route the complaint to collector office if the complaint is not resolved within 15 days and even if no resolution found within 30 days then send the complaint to CM office.

Keywords: Secure Message, QR Code

I. INTRODUCTION

In ordinary language, a crime is an unlawful act punishable by a state or other authority. The term "crime" does not, in modern criminal law, have any simple and universally accepted definition, though statutory definitions have been provided for certain purposes [1, 5]. The most popular view is that crime is a category created by law; in other words, something is a crime if declared as such by the relevant and applicable law. One proposed definition is that a crime or offense (or criminal offense) is an act harmful not only to some individual but also to a community, society or the state ("a public wrong"). Such acts are forbidden and punishable by law every year, millions of women's, girls and boys around the world face sexual abuse and exploitation. Sexual violence occurs everywhere – in every country and across all segments of society. A child may be subjected to sexual abuse or exploitation at home, at school or in their community. The widespread use of digital technologies can also put children at risk. In most of cases woman quietly suffers or even if raises her voice it is silenced or suppressed. . . she neither knows she has rights to fight these crimes and what remedies are available in law to protect herself Crime is a part of illegal activities in human life. The rise of population and complex society increases the range of anti-social conducts that must be restricted by the government through the military and different organizations particularly the Police Force.

II. MOTIVATION:

Here we want to create an online crime reporting system software which is well accessible to the general department. The traditional public in Asian country is afraid to lodge a grievance as a result of their full of a false worry regarding the department of local government getting disclosure in public. A web grievance registering system can allay the fears of the general public like information getting hacked, and can conjointly facilitate within the public serving to the department of local government in catching criminal So there Is need to propose the system, where victim can confidently gave rise to the complaint against the criminal.

III. NEED:

To develop a secure system for registering all grievance complaints and to hide victim's identity to avoid political and society's pressure and to secure the message from end to end user and its message contents.

IV. ORGANIZATION OF PROJECT PAPER:

In this paper, Chapter 1 includes Introduction, Motivation, Need. Chapter 2 includes Literature Survey of this project .Chapter 3 includes Specification, Problem Statement, Software and Hardware Requirements. Chapter 4 includes Design, System Architecture and UML Diagrams. Chapter 5 includes Implementations and Algorithms

V. LITERATURE SURVEY:

A. Literature Review:

A literature research with respect to the previously published literature is the initial stage of any project. A series of comprehensive market survey of publications in a specific field of study is conducted before a suitable problem-solving method is finalized. It is seen as an essential task as it will ensure that a thorough understanding of a project is gained and subsequently lays a solid foundation on our future task. All the research done will serve as a yardstick and reference to our project. After a complete literature review is finished, we are supposed to be able to write in such a way that shows we have a feel for the area, know what the important issues are and their relevance to our work. We should have known what can be neglected and we have the anticipation of the outcome. To summarize all the above, the direction of a project is determined and indeed this is the objective of literature review.

1) Enhancement of QR Code Capacity by Encrypted Lossless Compression Technology for Verification of Secure E-Document Author: AMMAR MOHAMMED ALI , ALAA KADHIM FARHAN.

Description:
This paper provides a novel method to improve the data storage of a quick response code (QR code) by applying encrypted lossless compression technology. QR codes are used in several domains, particularly when there is a need to transfer various types of text information. .

2) Police Complaint Management System using Blockchain Technology, Author: Ishwarlal Hingorani ,Deepika Pomendkar, Nataasha Raul .
Description:
N effective system for e-governance was started in 2009 named Crime and Criminal Tracking Network and Systems (CCTNS) for the entire country. However, it is a centralized system for a particular state. Thus there is a need for a completely decentralized system for assuring that there is no central point of failure in system and complaints are managed securely protected from unauthorized access. Our aim is to propose a blockchain based solution to manage complaints against both cognizable and non-cognizable offenses.
3) Data Validation System Using QR Code and Meaningless Reversible Degradation Author: Lucas F. Freitas ,Adalberto R. Nogueira , Max E. Vizcarra Melgar.
Description:
QR Codes are used as information channel on several cryptographic architectures due to their technical properties, such as data capacity and retrieval reliability. This paper presents a novel string data validation system using QR Codes and meaningless reversible degradation. The proposed scheme exploits reversible degradation properties, using the systematic Berlekamp Reed-Solomon error correction algorithm and the QR Code. This new mechanism encodes up to 388 characters in two information channels: a dynamic version QR Code (channel 1) and a wireless network (channel 2). A byte mode QR Code stores partial corrupted and masked data input bits. Its version size varies between 1 and 11 according the stored data quantity.

VI. METHODOLOGY:

The main purpose of the propose system is to hide victim's identity and its message content for registering grievance complaints. There are two web portals one for the user side and another for the police .The user will login from the user side and will write the complaint in message box provide at user side and submit it. The message will get encrypted by AES algorithm and QR CODE will be generated at police side .Every message will have a separate and unique QR CODE to secure the message contents and the QR CODE will be displayed on the police side and the police will decrypt the message through a SCANNER from the android app and the message content will be displayed.

Then the complaint will be viewed and then it will be verified and will be registered. And then if the complaint is not solved in 15 days then the complaint will be forwarded to the city collector. And if the complaint again is not solved in 30 days it will be forwarded to the CM office.

VII. MODULES:

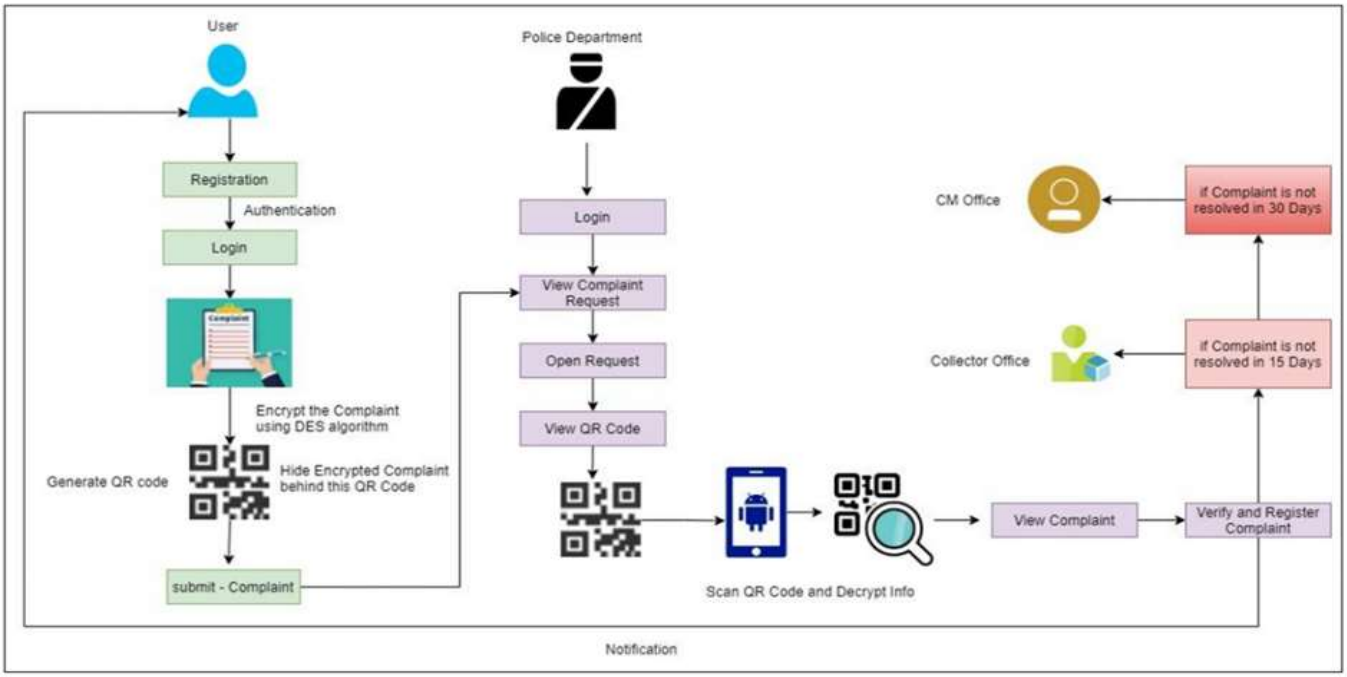
1) Registration Page: New User can create new Account.
2) Register Complaint: Victim registers complaints against the criminal.
3) Check Current Status Of Complaint: User can check current status of complaint.
4) Police officer scans QR Code Police officer can scans the QR code of complaint and verify it.
5) Police registers the complaint in system After the complaint is verified, Police officer raised the complaint in their system.
6) Generated QR Code System generates the QR Code of info. provided while generating complaint
7) Route the Complaint to Collector Office Route the complaint to collector if complaint is not resolved in 15 days.
8) Route the complaint to CM Office Route the complaint to CM office, if not resolved 30 day.

VIII. ALGORITHM:

A. AES Algorithm:

AES algorithm is used for the encryption of messages. We decided to choose this AES algorithm because in our project contains both the domains web and android. And this algorithm is best suited for such cases. AES algorithm is widely used and popular algorithm and is way too faster than the other algorithms. In present day cryptography, AES is widely adopted and supported in both hardware and software. Till date, no practical cryptanalytic attacks against AES has been discovered. Additionally, AES has built-in flexibility of key length, which allows a degree of 'future-proofing' against progress in the ability to perform exhaustive key searches. We have used this algorithm for encrypting our message contents to keep it safe from hackers and information leaks. The algorithm takes place when the user clicks the send button after filling th details of the complaint to store the data securely.

IX. SYSTEM ARCHITECTURE:



The user will register himself on the web portal and will login with his/her credentials. Then he will fill the complaint in the description box . The complaint will be encrypted using the AES algorithm. Then the complaint will get hidden behind the QR code and then will send the complaint. Then police will login and will view the complaint request and open the request using scanning the QR code using the android mobile app.Then the complaint will get viewed by the police. Then they will verify and register complaint. If the complaint is not solved in 15 days then the complaint will be forwarded to the collector office and if the complaint is not solved in 30 days it will get forwarded to the CM Office.

X. CONCLUSION:

We have proposed the system that will help suspected user to register the complaint without getting disclosed in society. System will be more secure as compared to any other system in the market. System involves and AES encryption algorithm complaint information will be completely safe and there is no chance of getting hacked while the information is transfered to the police department.

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