

Online Crime Reporting System

ICT GANPAT UNIVERSITY
User Experience Design & WAD
Project



ACKNOWLEDGEMENT

User Experience Design project is a golden opportunity for learning and self-development. I consider myself very lucky and honoured to have so many wonderful people lead me through in completion of this project. First and foremost, I would like to thank Dr. Hemal Shah, Principal, ICT, and Prof. Dharmesh Darji , Head, ICT who gave us an opportunity to undertake this project. My grateful thanks to Prof. Bhavesh Jain, Prof. Javik Panchal & Prof. Tejas Kadiya for their guidance in project work Online Crime Reporting System, who despite being extraordinarily busy with academics, took time out to hear, guide and keep us on the correct path. We do not know where would have been without his help. CSE department monitored our progress and arranged all facilities to make life easier. We choose this moment to acknowledge their contribution gratefully.

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ABSTRACT

Nowadays, much of the crimes committed were unreported to the authorities. Given this fact, the study presents the development of a Crime Management and Reporting System through online and even offline and at the same time is the active participation of the citizens. The idea draws its motivation from the inconvenience of going to the police station and personal belief of the weak investigative capabilities of the authorities to resolve petty crimes and limited spreading of crime information to the community. The project specifically looks into the crime detection and prevention. This study aims to provide an overview of the investigative process and, in doing so, identify effective and efficient approaches to the investigation and detection of the volume of crimes. The review is particularly aimed to highlight the research evidence those investigative practices and actions that are likely to lead to a positive outcome. The development of software includes the process of brainstorming and planning, requirements analysis, system analysis and designs, implementation and testing, deployment, and maintenance. The criteria of evaluation of software quality were adapted in ISO/IEC 25010:20011. This also shows that distance is also a factor that influences greatly how crimes are being handled with many crimes going unreported as a result. Crime Management and Reporting System would really help the complainant and the authority to communicate privately and easily with regards to the reported issue. In addition, it would be easier for the complainant to report a witnessed crime without the fear of getting involved in the problems because of the security that the only authorized user can see the report. Based on the findings, the researchers recommend the following for further study: widening the limit of the system by considering other cities; a generic platform for keeping human records from birth till death, deploying World Scientific News 131 (2019) 164-180 -165- this sort of platform will serve as a source of information on persons from various states within the country and even those outside. Verification using Biometric is highly recommended to enhance the security of data stored in the system. This increases the restriction on access to the system, thus unauthorized users have no access to the system. Face recognition technology can be added.

Keywords: Biometric, crime management, online, reporting system, software quality

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INTRODUCTION

01



We're all going to have to change how we think about data protection.

Guiding Principles

Prof. Bhavesh Jain



User Experience
Design

Prof. Javik Panchal



Web Application
Development - IBM

Prof. Tejas Kadiya



Web Application
Development

PROJECT SCOPE



Objectives and Scope

AWARENESS

Spread awareness
from cyber fraud

MENTORSHIP

Right direction
and steps will be
provided



CYBER HYGIENE

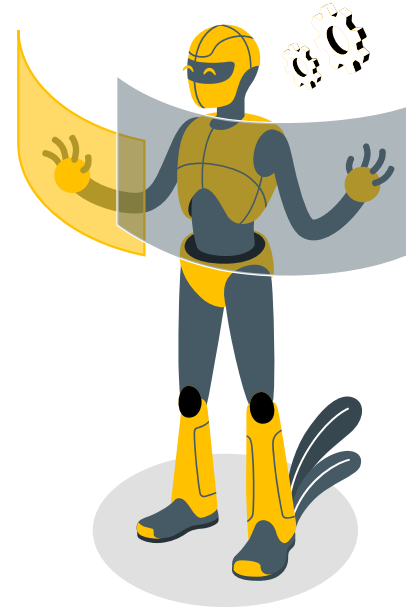
Steps for way to
use internet safely

INVESTIGATION

Proper report on
the submitted
form.

Scope

This website provides an architectural overview of crime management. This web site is generic. A web-based tool that enables the user to manage the crime on tasks completed as part of a project with tasks and sub-tasks. The tool includes interactivity, Functionality, Information will be stored into a database. Administrative and managerial functions will be provided including configuration projects/tasks/subtasks.



ADMIN FEATURE

1. Add/Update/Display/Delete Police Officer(Police Station)
2. Add/Update/Display/Delete Citizen(User)
3. Update/Display/Delete Complaint
4. View/Delete Complaints Status
5. View/Delete Emergency Complaint
6. View Query
7. View Feedback

USER FEATURE

1. Registration and login page
2. Notify to your near police station
3. Awareness about cyber hygiene
4. Complain anonymously
5. Add/update/delete complains
6. Uploading system for files like photos, pdf, etc.
7. Proper guidance to problem solutions
8. Tracking to your complain



TECHNICAL BACKGROUND

Technical Background

Technology most commonly used for better and quicker communication, which is very significant in the proposed project entitled, Crime Management and Reporting System. Online crime reporting is a convenient and presumably a good alternative way to address unreported incidents using their laptops and smartphones, individuals can file reports any time of day or night and take the time they need to report in their own words. Witnesses can use this alternative to report quality of life threats or suspicious activities that might go otherwise unreported.

In this step, the proponents will start coding using HTML, CSS and JavaScript for the graphical user interface. MySQL is used in designing a robust database and JAVA for the application logic which enables communication between the front-end and the backend of the system. And the coding and synchronizing of the software and hardware to make sure that these two components are working together. All the units developed in the implementation phase, the entire system and the hardware used by the proponents is being tested for any errors and failures.

USER RESEARCH



Trust

Trust Takes Years
To Build, Seconds
To Break And
Forever To Repair

Security

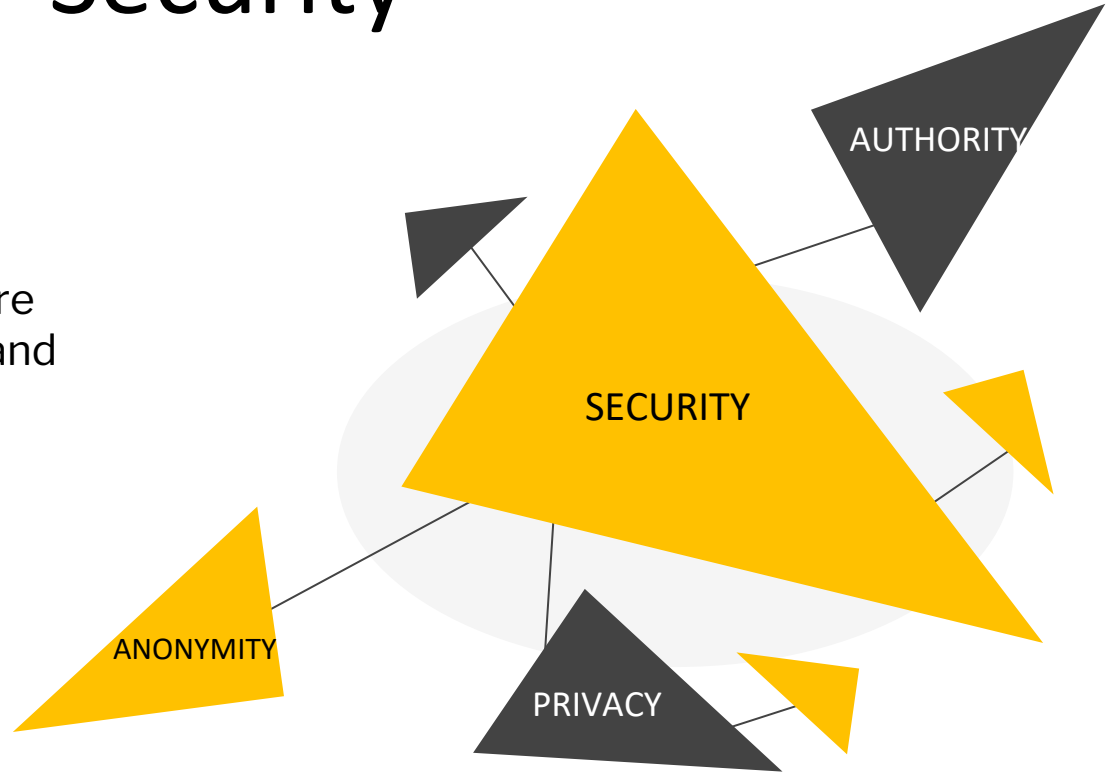
Security is always
excessive until it's
not enough.

Privacy

Privacy is one of
the biggest
problems in this
new era.

Security

Top-notch security with high level of programming and more advanced and updated tools and technology.



Privacy

PAGE AUTHORITY

No one can be directly get authority of any database or any protected page without login.



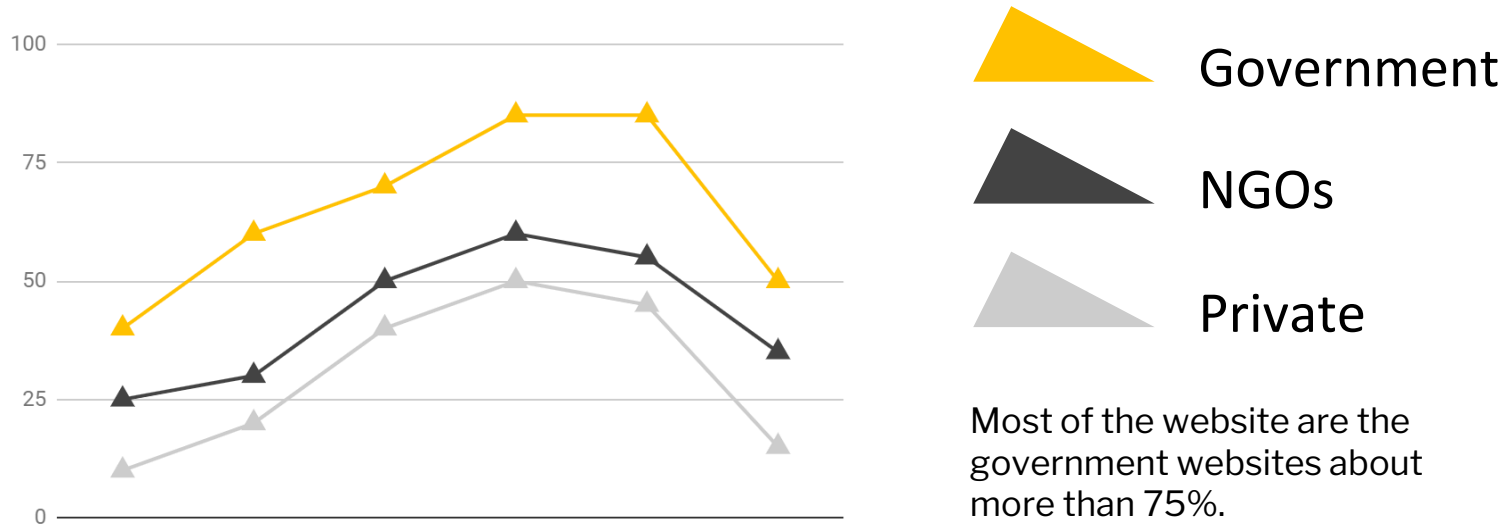
75

48

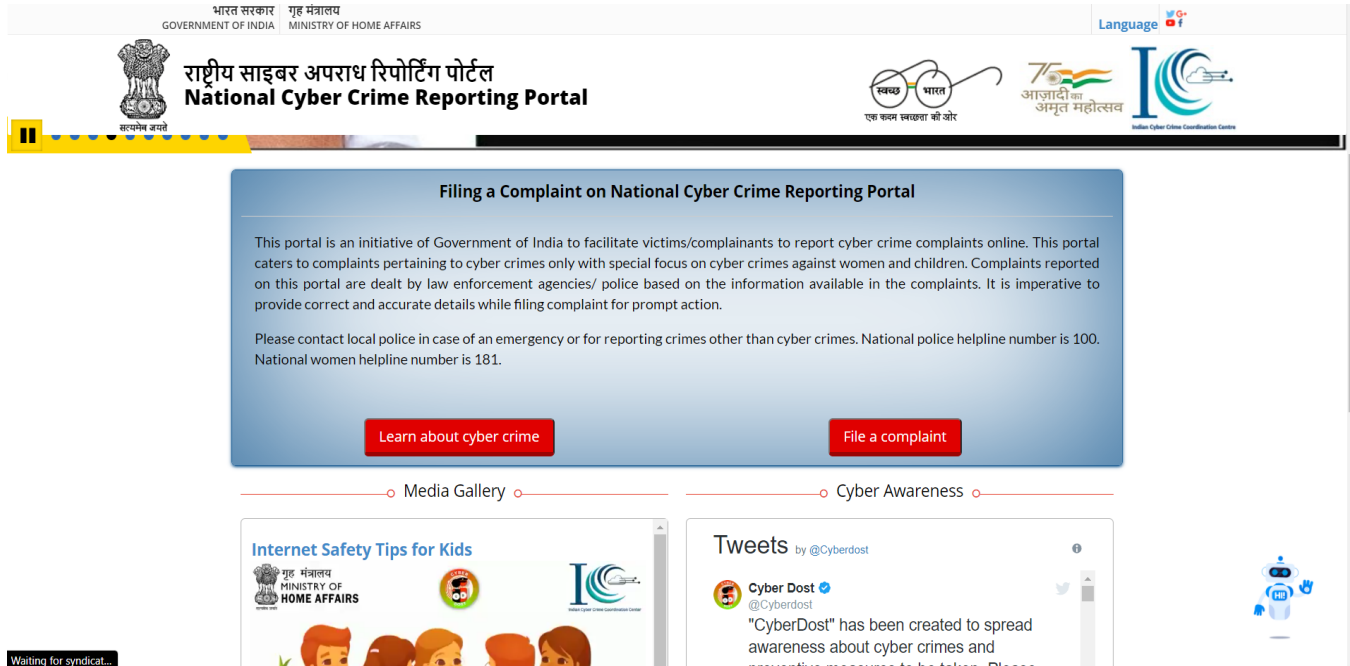
DOMAIN AUTHORITY

Domain is name has been unique and registered with our company.

TYPES OF WEBSITE AVAILABLE



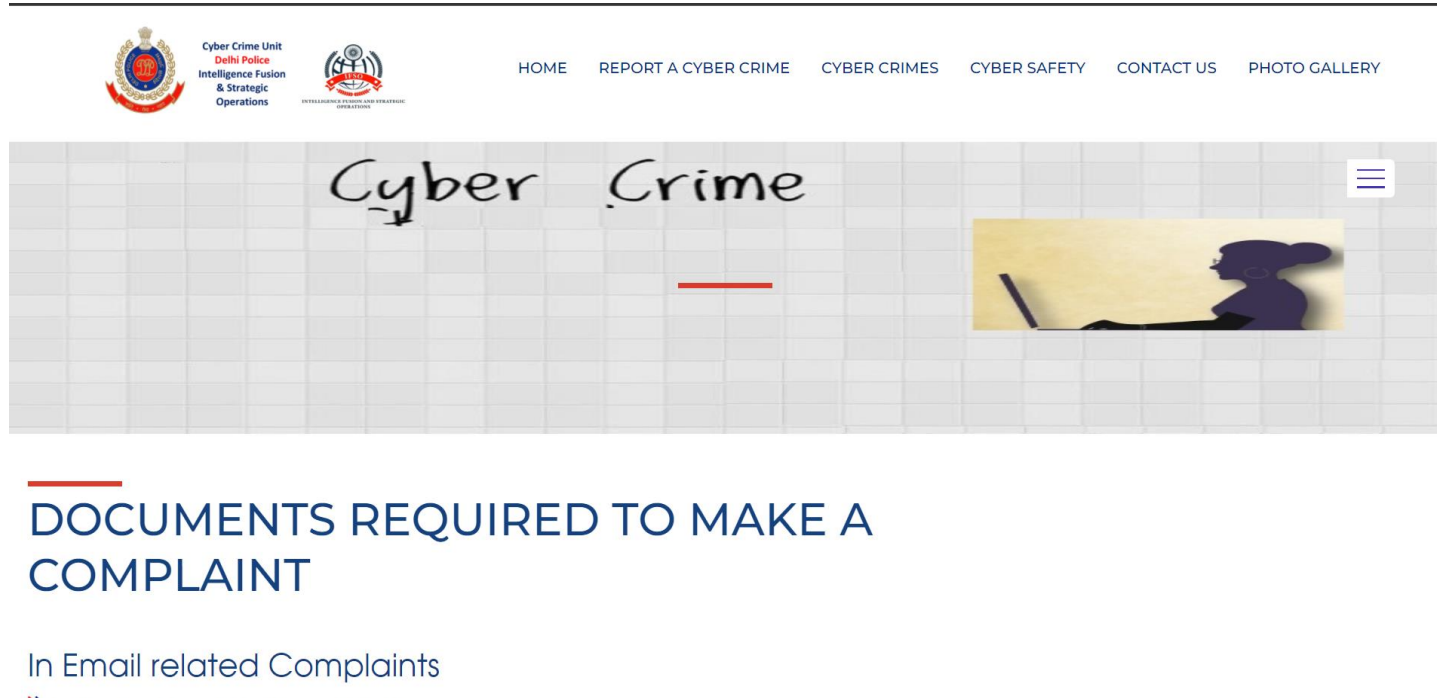
SCREENSHOTS



SCREENSHOTS



SCREENSHOTS



ADVANTAGES:-

1. This web application allows the user to deal with the great ease of the environment.
2. It allows the user to complain of his crime anytime.
3. It provides the functionality to complain.
4. It also allows the user to change the password.
5. The users get a reply from admin.

DISADVANTAGES:-

1. This application does not allow users to recover their passwords.
2. It is not going to allow users to ignore or remove their crime reports.
3. It would also not allow changing in their profile.
4. It is not fully secured as anyone can visit anyone's profile.

USER PERSONA

Level of Satisfaction by Usability

Usability	Barangay Officials / Weighted Mean	Verbal Interpretation	Residents/ Weighted Mean	Verbal Interpretation
Learnability	4.33	Strongly Satisfied	4.57	Strongly Satisfied
Operability	4.47	Strongly Satisfied	4.74	Strongly Satisfied
User interface aesthetics	4.47	Strongly Satisfied	4.66	Strongly Satisfied
Overall mean	4.42	Strongly Satisfied	4.65	Strongly Satisfied

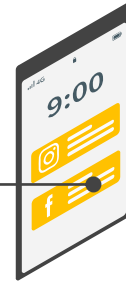
SOFTWARE & HARDWARE REQUIREMENT

Mainly hosted on server
anyone can be excess from
anywhere with any device.



Dynamic Webpage

Spring MVC



Integrated
Payment Gateway

Software Links

All tools and technology which are used in this project are open source.

TOP 8 WEBSITES

- ✚ <https://tomcat.apache.org/>
- ✚ <https://getbootstrap.com/>
- ✚ <https://hibernate.org/>
- ✚ <https://www.eclipse.org/downloads/>
- ✚ <https://www.mysql.com/>
- ✚ <https://www.canva.com/>
- ✚ <https://aws.amazon.com/>

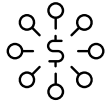


PROJECT PLAN

Having very big community
of our cyber dosto.

Increase Website Traffic

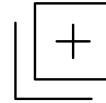
As much as the traffic will increase to our website more the people will believe in our initiative.



Business Logic



Secured control



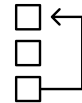
Presentation
logic



Pay for
Service

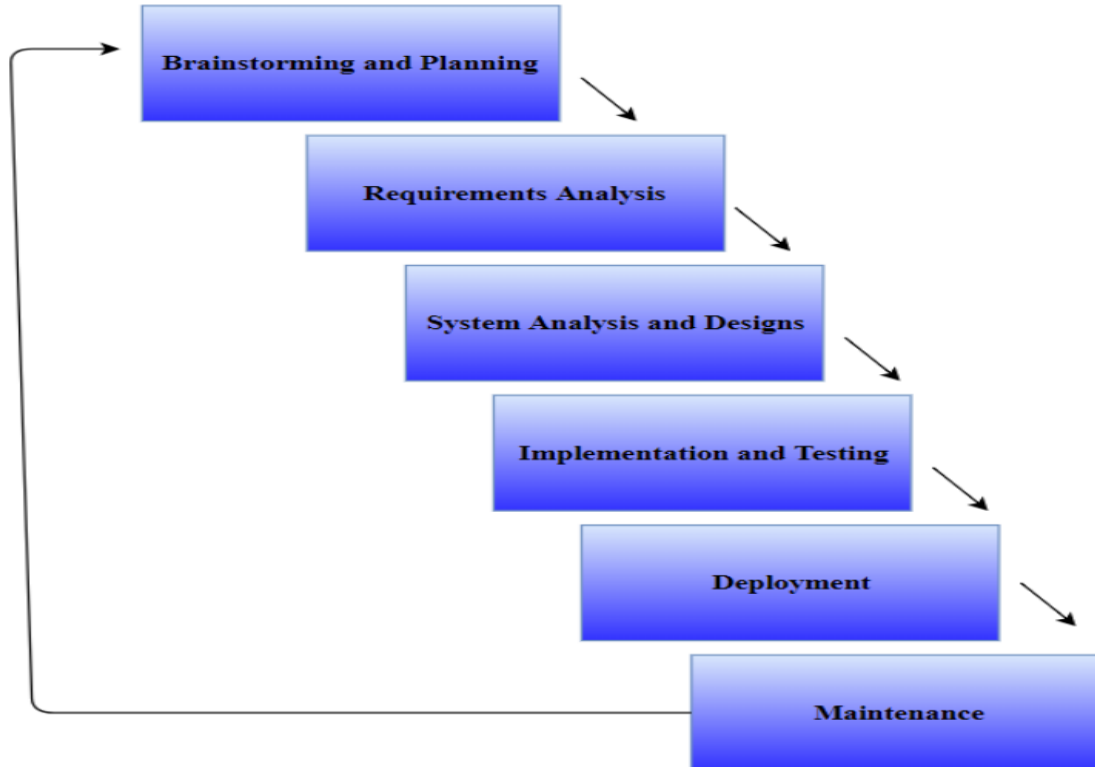


Feedback



Database

Step by Step Approach



MAIN FEATURES

- BEST SECURITY
- LOGIN AND REGISTRATION PAGE
- FULLY BASED ON DATABASE
- ALL TYPE OF VALDIATION
- PAYMENT GATEWAY
- USER AS WELL AS ADMIN PAGE



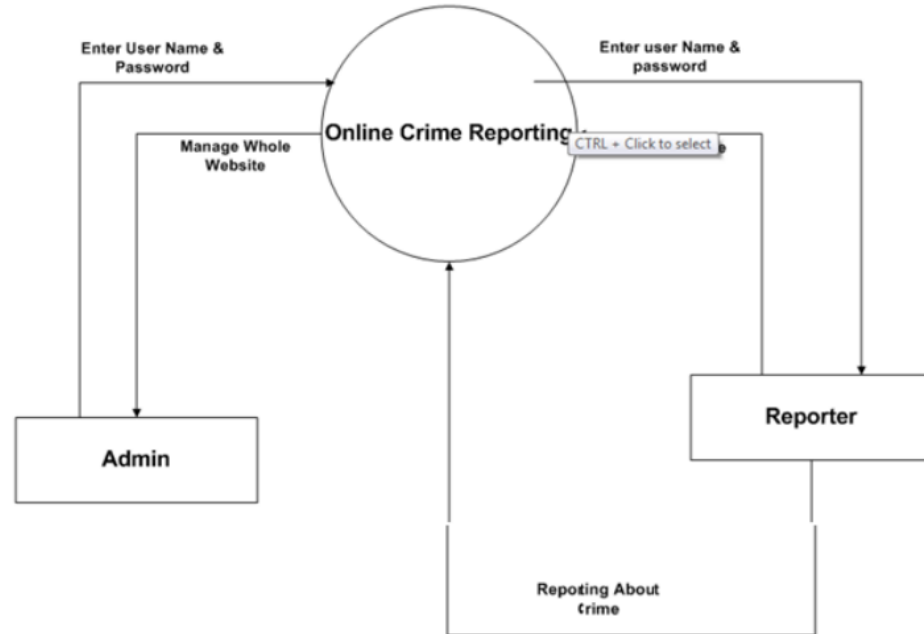
MAIN TARGET PEOPLE



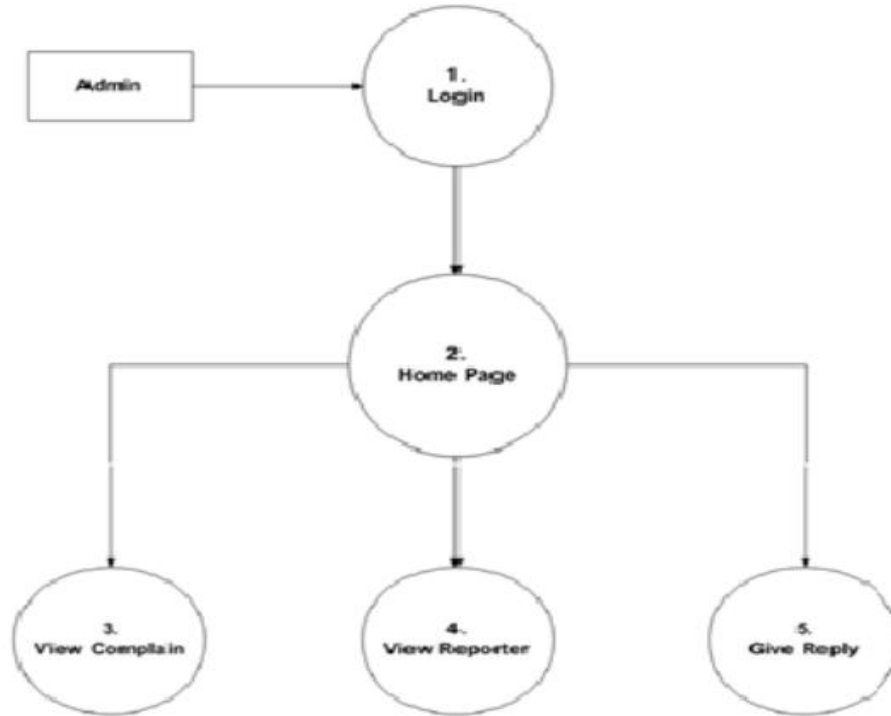
IMPLEMENTATION DETAILS



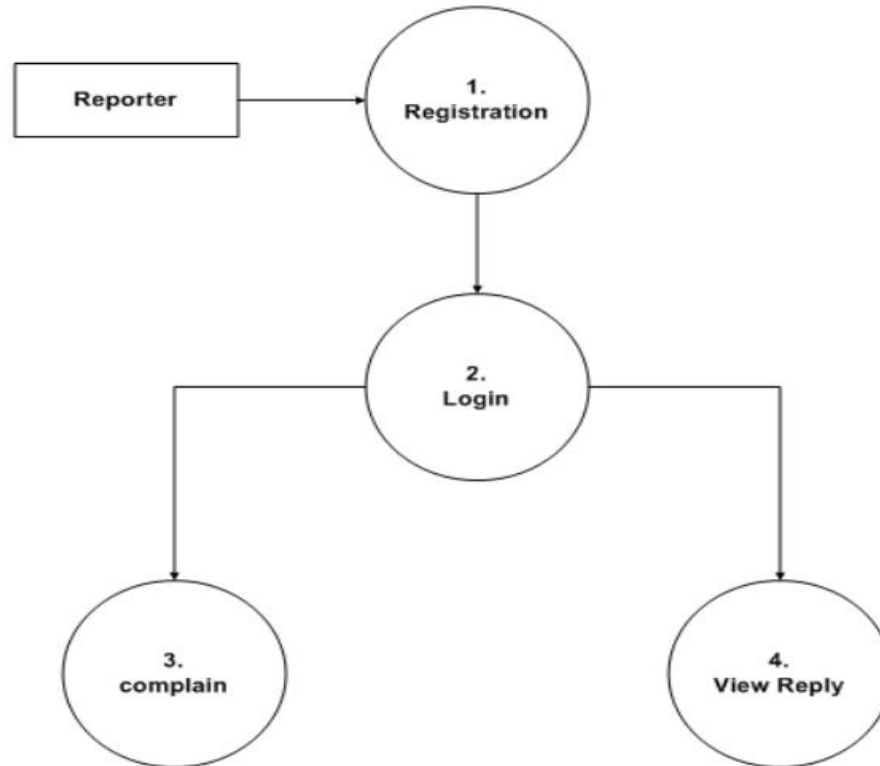
FLOW CHART



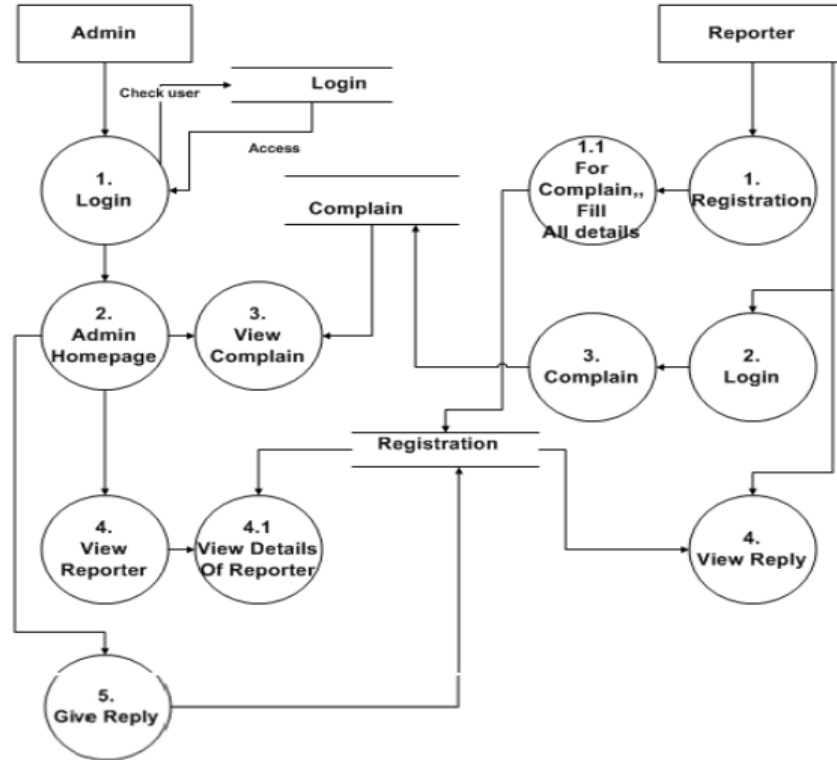
FLOW CHART



FLOW CHART



FLOW CHART



CONCLUSION

In the modern world, the use of computers and Mobile phones are becoming rampant. More so, recent developments in ICT Industries has revolutionized and consequently brought about a paradigm shift in the way activities are accomplished. As a result of the crime reporting system needs to embrace these new technologies. This report has presented a simple, convenient, cost-effective, but efficient online crime reporting system with a user-friendly, sensitive and intelligible web interface. Whereby it can be accessed at any time provided there is an internet connection.



**Ganpat
University**

॥ विद्यया समाजोत्कर्षः ॥

Institute of
Technology

Thanks

Do you have
any questions?

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