

Cyber Crime Management System

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TE COMP B 30

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1. Abstract

Online Crime Reporting System is an internet-based Project developed using PHP and MySQL. The aim of Online Crime Reporting System will be to create a web-based program using which people are able to report crime online. It gives the facility of uploading videos or images of crime scenes to ensure that authorities can take action immediately. A portal for the complaint registration of cybercrime and online fraud, its resolution and reporting serious cases to the government officials. This platform would bridge the gap between government and cybercrimes in the society.

2. Introduction

Businesses are clearly realizing the need to prevent cyber infractions on their information assets; equally important is the need to carry out a forensic analysis of suspected attacks and ensure that the perpetrators are identified. A requisite first step in this direction is the collection, preservation, analysis and presentation of reliable and relevant evidence to law enforcement agencies and judiciary. We assist organizations throughout the Cybercrime management cycle and support the establishment of effective evidence gathering and interpretation mechanisms. We would also help organizations to improve controls to minimize future attacks. With the development of technology and the advancement of widespread use of the internet, cybercrime has become a real threat to society. Information Technology Act, 2000 was introduced to recognize, mitigate and prevent these threats. This blog will help you

understand how to file a cybercrime complaint in India online & offline and educate you on where to report cybercrime in India before it is too late.

3. Background/Literature Survey

Title	Author	Published year	key points	link
What is Cyber Crime in India & How to File Cyber Crime Complaints?	Swati Shalini, MyAdvo	2019	<ul style="list-style-type: none">○ Listed types of cyber crime○ Process of filing Cyber Crime Complaint○ Various methods of complaint registration.○ The various sections applied on such crimes	Click here
National Cyber Crime Reporting Portal	National Cyber Crime Reporting Portal	2020	<ul style="list-style-type: none">○ How government handles such cases○ What care should be taken by the victim.	Click here

Understanding Cyber Laws in India and How You Can Report Online Bullying	Shouvik Das	2020	<ul style="list-style-type: none"> ○ Section under IPC for cybercrimes are explained ○ Responsibilities of an indian citizen using internet 	Click here
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4. Methodology

The Objective of Crime Reporting System is to develop a web-based program using which people can report crime online. It provides the facility of uploading images or videos of crime scenes to ensure that police may take action immediately. It also supplies the advice of missing persons, most wanted criminals and security tips for the awareness of people. Presently there is no online web application available to report crime online. In order to report any complains associated with crime, people have to contact closest police station. People of the specific city are not aware of crime related matters such as list of Most wanted criminals of their town, newest crime related news, missing persons of the area etc. People must view News Channels or Read News Paper for such offense related details.

Functional Requirements

- Authentication:
 - Registration
 - Login
 - Logout
- File Complaint:

- Complaint type
 - Details
 - Complaint Saving
- View Complaints:
 - Mark as Resolved
 - Serious (Report to government)

Features:

System Users/Actors

1. Admin Users.
2. Public Users (Citizens)

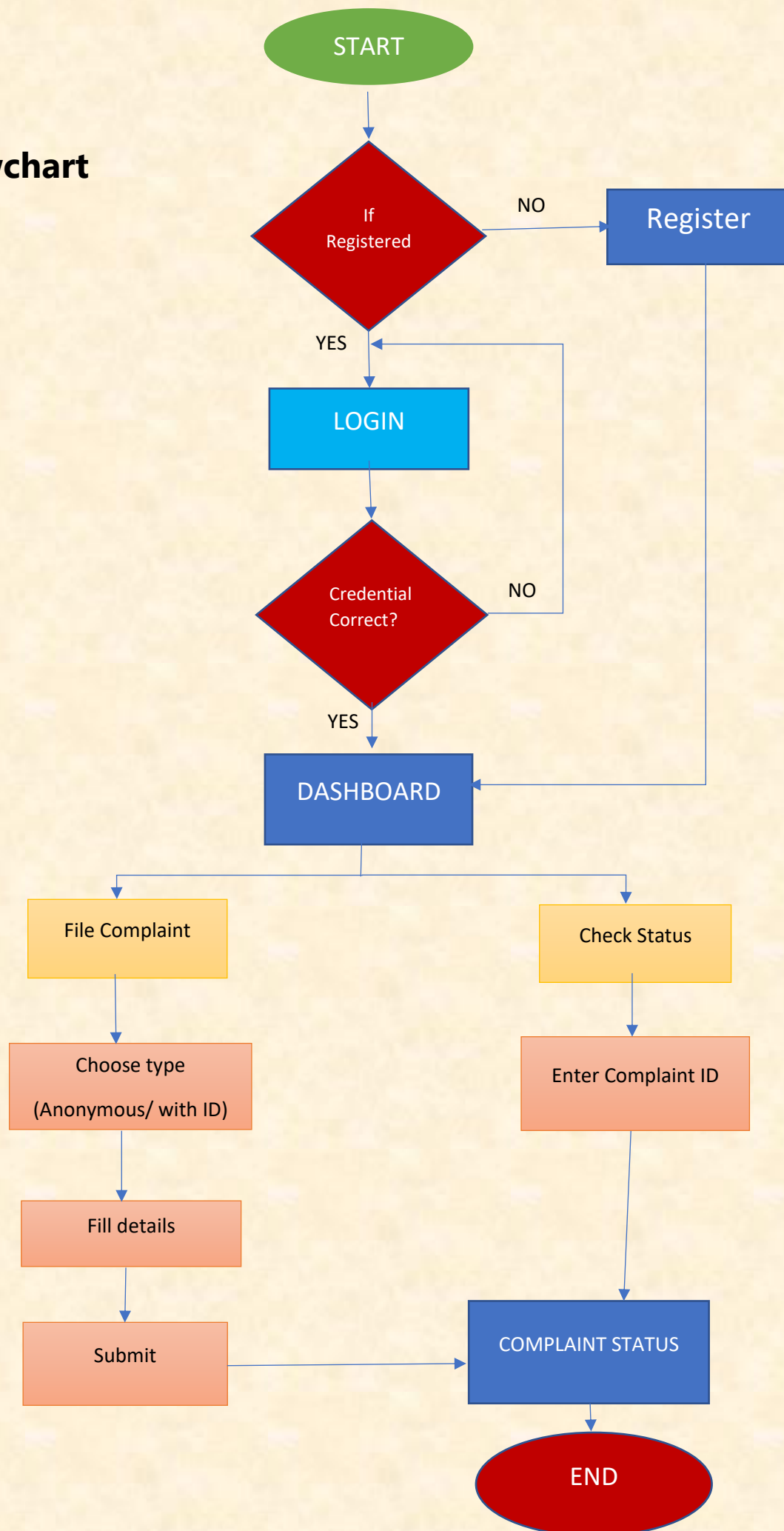
Admin Features

- View Citizen's complaints.
- Delete complaint.
- Report to Higher authorities.
- Update Status of Complaint.
- Update their Personal Details.
- Change their Password.

Citizen

- Register
- Login
- Add Complaint
- View Complaint Status

Flowchart



5. System Description

Brief overview of the technology

Front-end

Front-end web development is the practice of converting data to a graphical interface, through the use of HTML, CSS, and JavaScript, so that users can view and interact with that data.

- **HTML**

- Hypertext Mark-up Language is the standard mark-up language for documents designed to be displayed in a web browser.
- HTML stands for Hyper Text Mark-up Language
- HTML is the standard mark-up language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content

- **CSS**

- CSS stands for Cascading Style Sheets
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- CSS saves a lot of work. It can control the layout of multiple web pages all at once
- External stylesheets are stored in CSS files

- **JavaScript/jQuery**

- JavaScript is an event-based imperative programming language
- It is used to transform a static HTML page into a dynamic interface.
- JavaScript code can use the Document Object Model (DOM), provided by the HTML standard, to manipulate a web page in response to events, like user input.

- **Bootstrap**

- Bootstrap is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites.

Back-end

- **PHP**

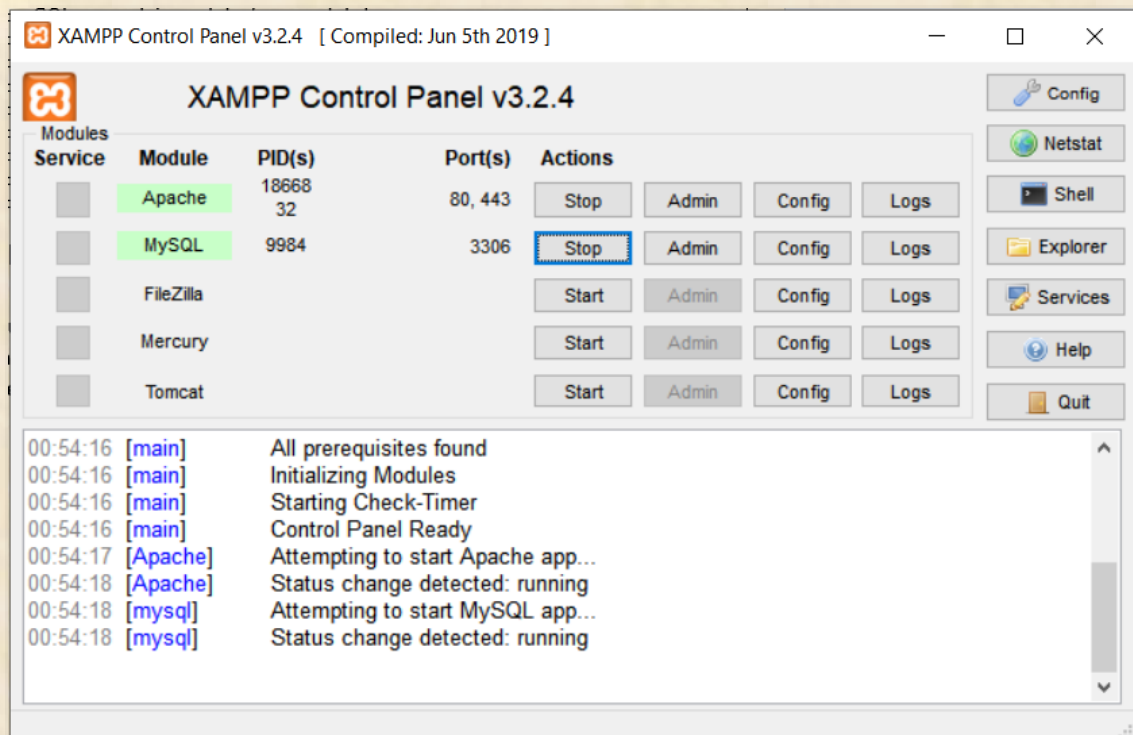
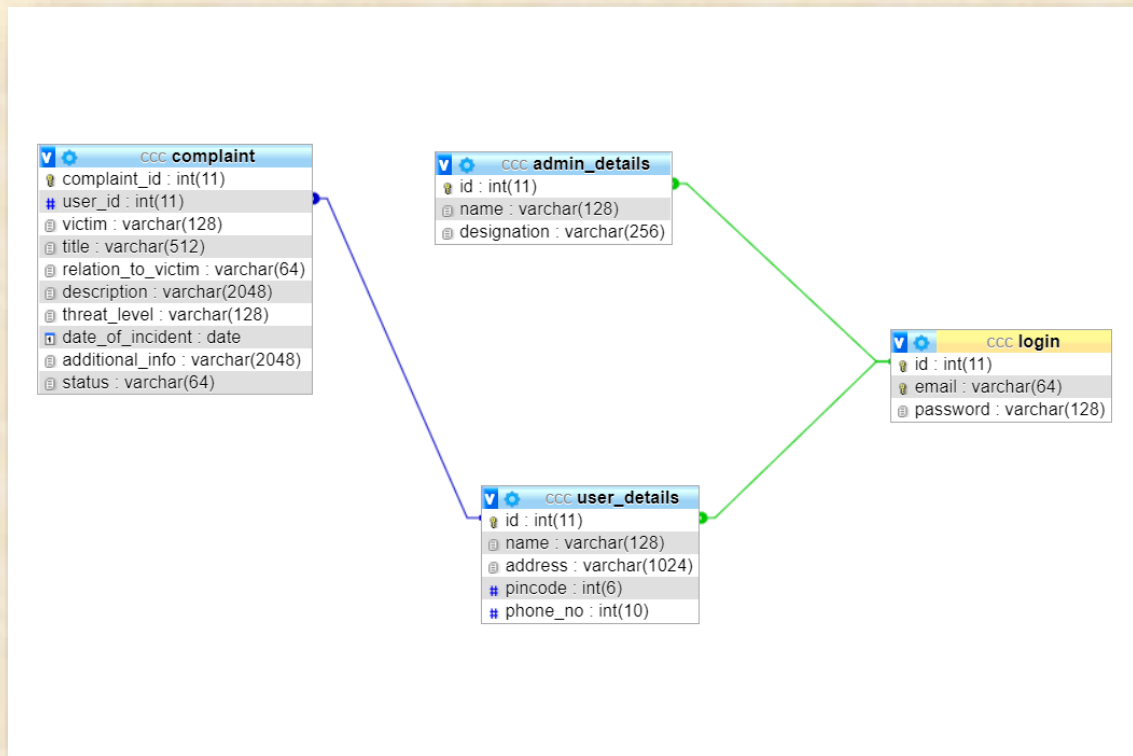
- PHP is an acronym for "PHP: Hypertext Pre-processor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP can generate dynamic page content
- PHP can create, open, read, write, delete, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can be used to control user-access
- PHP can encrypt data

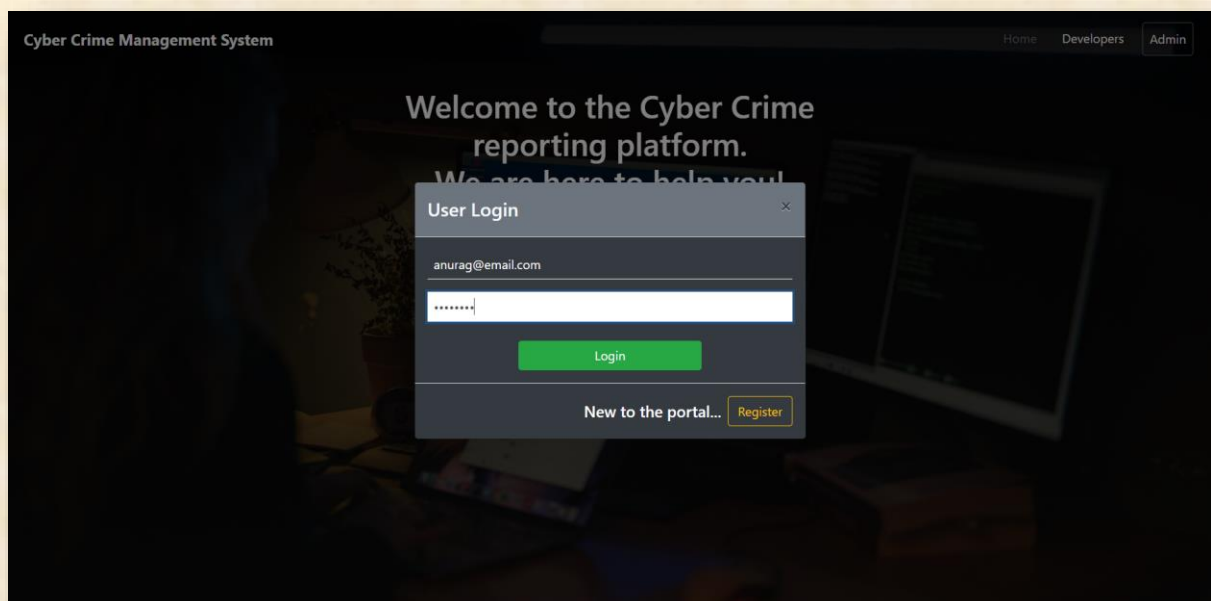
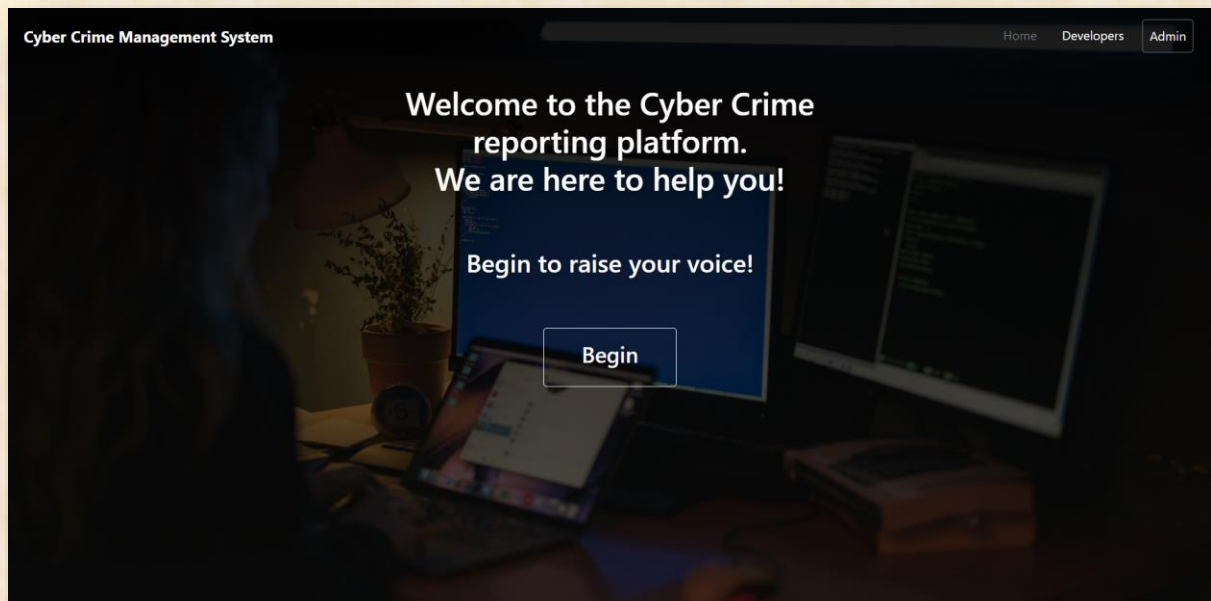
Database

- **MySQL (Using XAMPP)**

- SQL stands for Structured Query Language
- SQL lets you access and manipulate databases
- SQL can execute queries against a database
- SQL can retrieve data from a database
- SQL can insert records in a database
- SQL can update records in a database
- SQL can delete records from a database
- SQL can create new databases
- SQL can create new tables in a database
- SQL can create stored procedures in a database
- SQL can create views in a database
- SQL can set permissions on tables, procedures, and views

Screenshots





Travel Management System

HomeAbout Us

Registration Form

Full Name

Anurag Singh

Email Id

anurag.r.singh1234@gmail.com

Address

ABCD address

Pincode

401303

Contact

1234234233

Password

Confirm Password

Register

Already Registered

login

Cyber Crime Management System

Anurag SinghLogout

Welcome Anurag Singh!

Keep track of your previous complaints!
Check your previous history...

Complaint History

Does someone has a trouble!
Click to Report

Register a complaint

Cyber Crime Management System

Anurag Singh Logout

Keep track of your previous complaints!
Check your previous history

Complaint History

Register a Complaint!

Anurag Singh

Kuch toh khatarnak hai

Description nhi hai bohut zyada...

Date of starting
22-10-2020

Relation with Victim
Friend

Threat Level
Extreme

Bola toh sahi bohut bada khatra

File it

Does someone has a trouble!
Click to Report

Register a complaint

Cyber Crime Management System

Anurag Singh Logout

Welcome Anurag Singh!

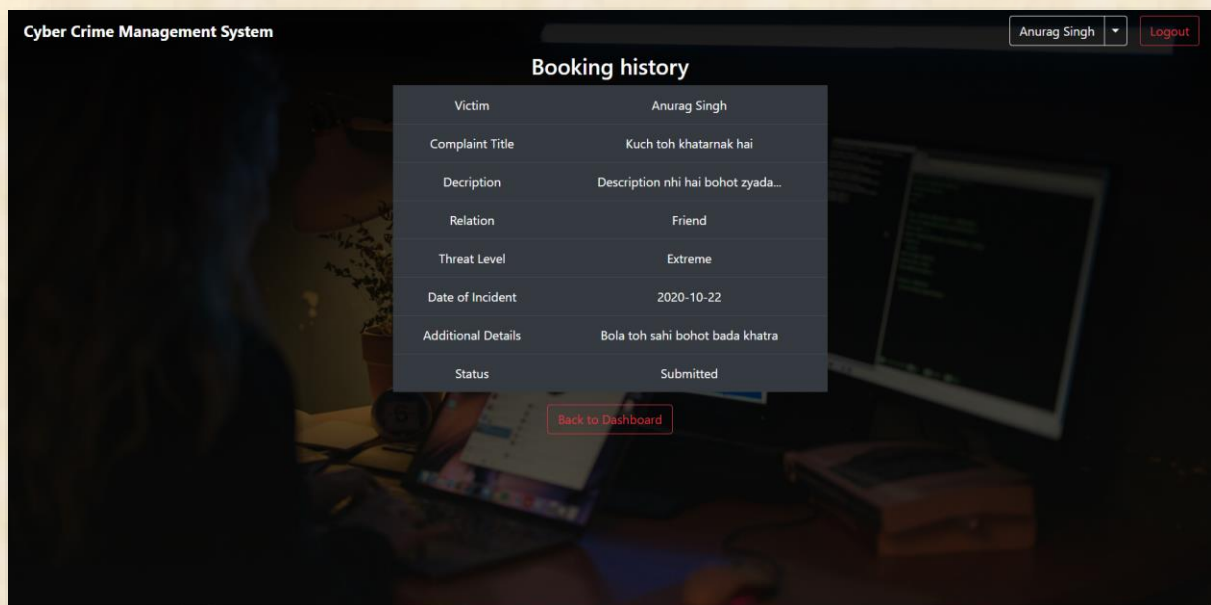
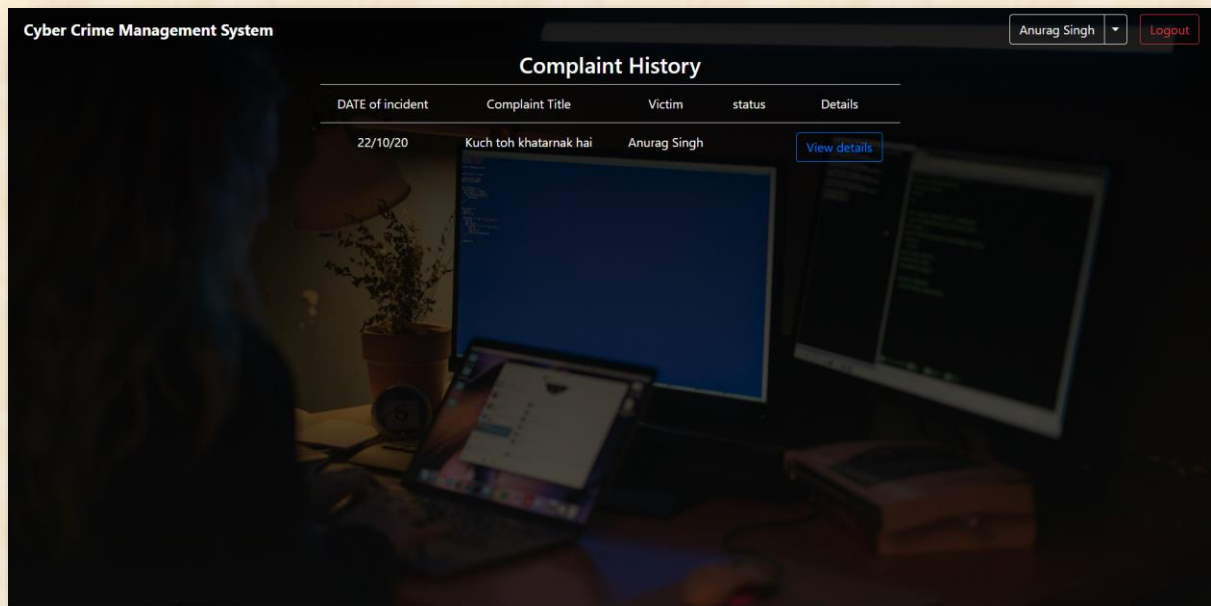
Bingo! Complaint registration is Successful.

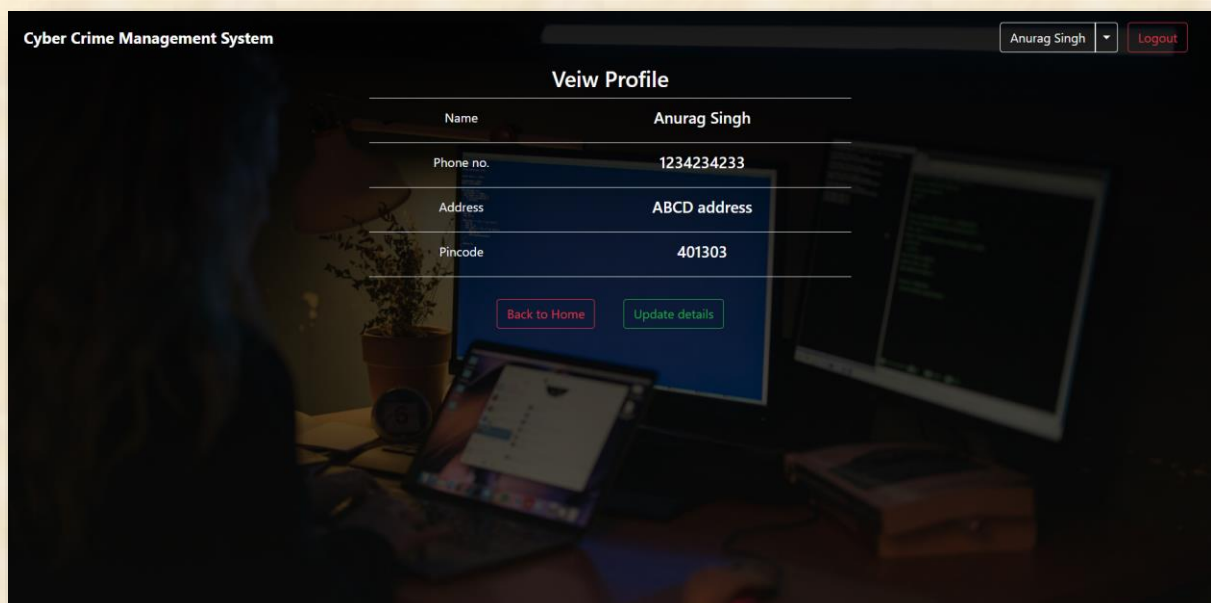
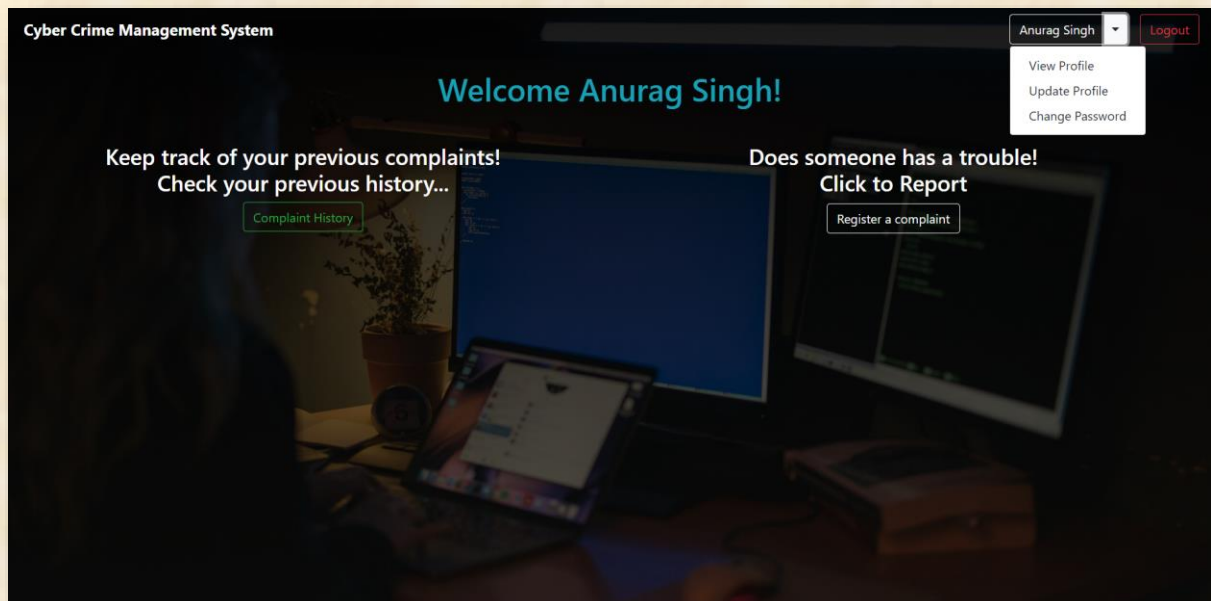
Keep track of your previous complaints!
Check your previous history...

Complaint History

Does someone has a trouble!
Click to Report

Register a complaint





Cyber Crime Management System

Anurag Singh Logout

Update Profile

Name	MR. Anurag Singh
Phone Number	1234234233
Address	ABCD address
Pincode	401303

Back to Home Save Changes

Cyber Crime Management System

MR. Anurag Singh Logout

Welcome MR. Anurag Singh !

Profile Updated Successfully

Keep track of your previous complaints!
Check your previous history...

Complaint History

Does someone has a trouble!
Click to Report

Register a complaint

Cyber Crime Management System

MR. Anurag Singh Logout

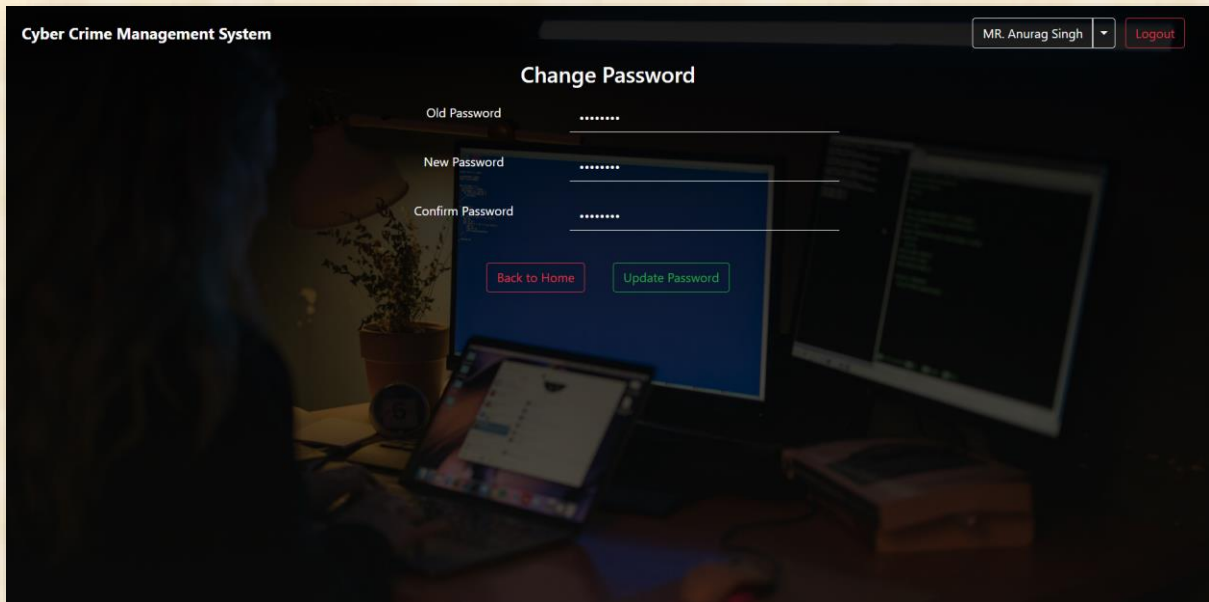
Change Password

Old Password

New Password

Confirm Password

Back to Home Update Password



Cyber Crime Management System

MR. Anurag Singh Logout

Welcome MR. Anurag Singh !

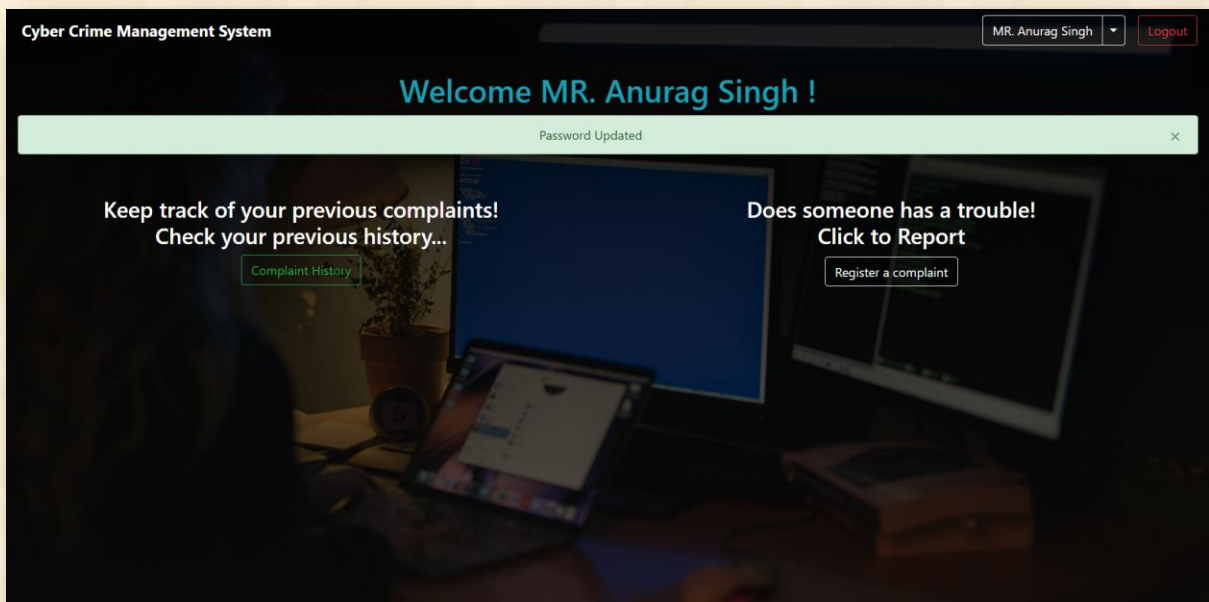
Password Updated

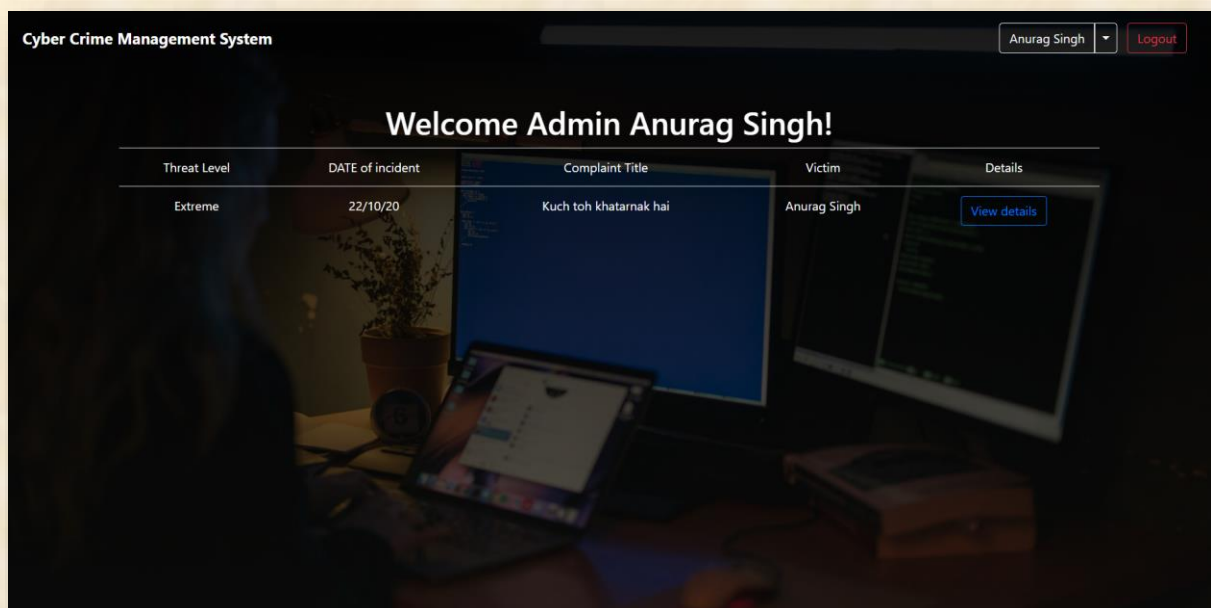
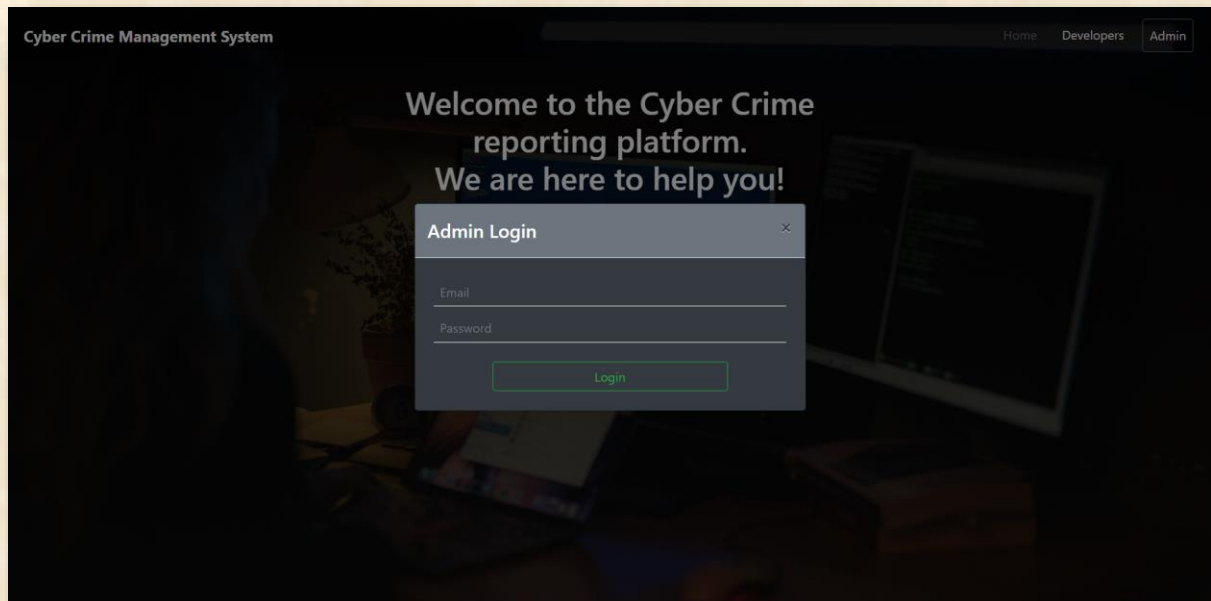
Keep track of your previous complaints!
Check your previous history...

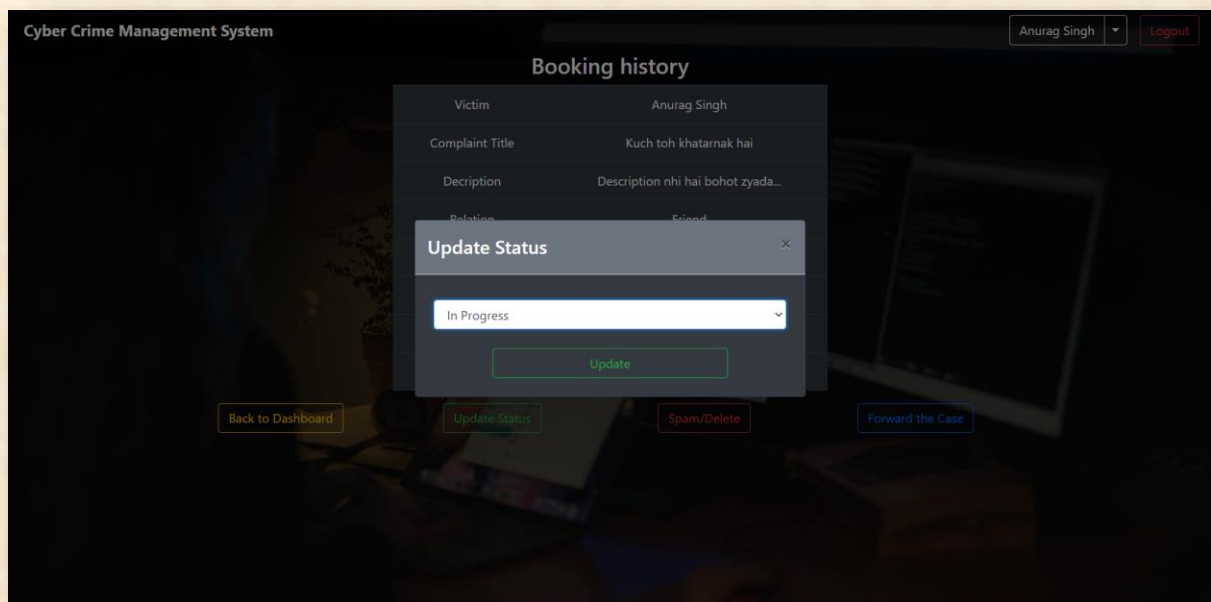
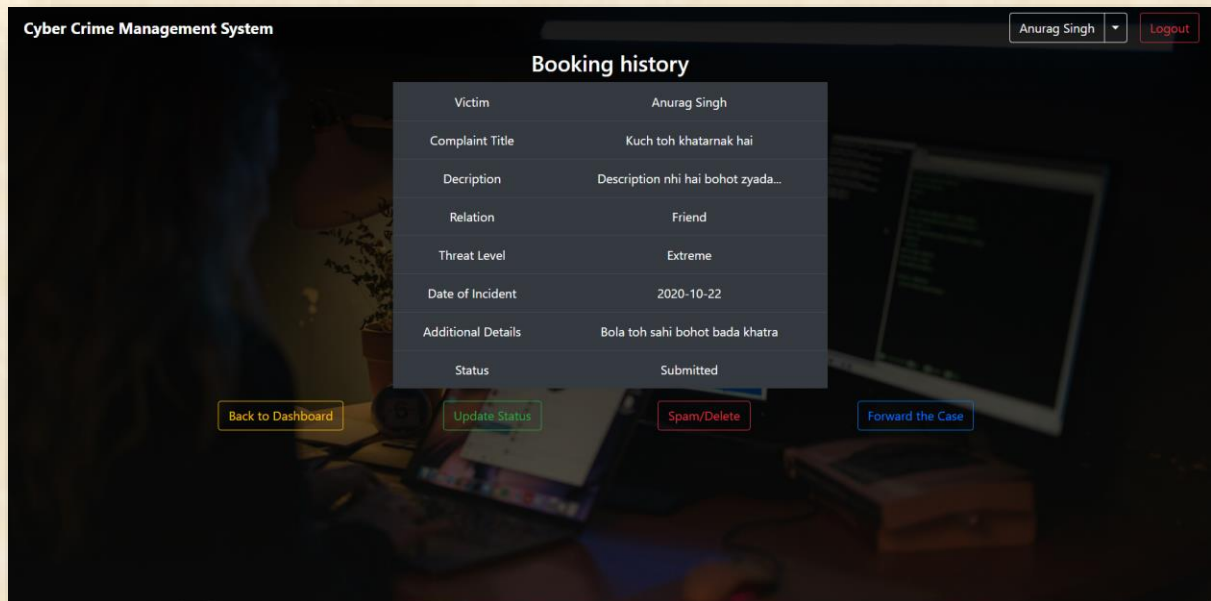
Complaint History

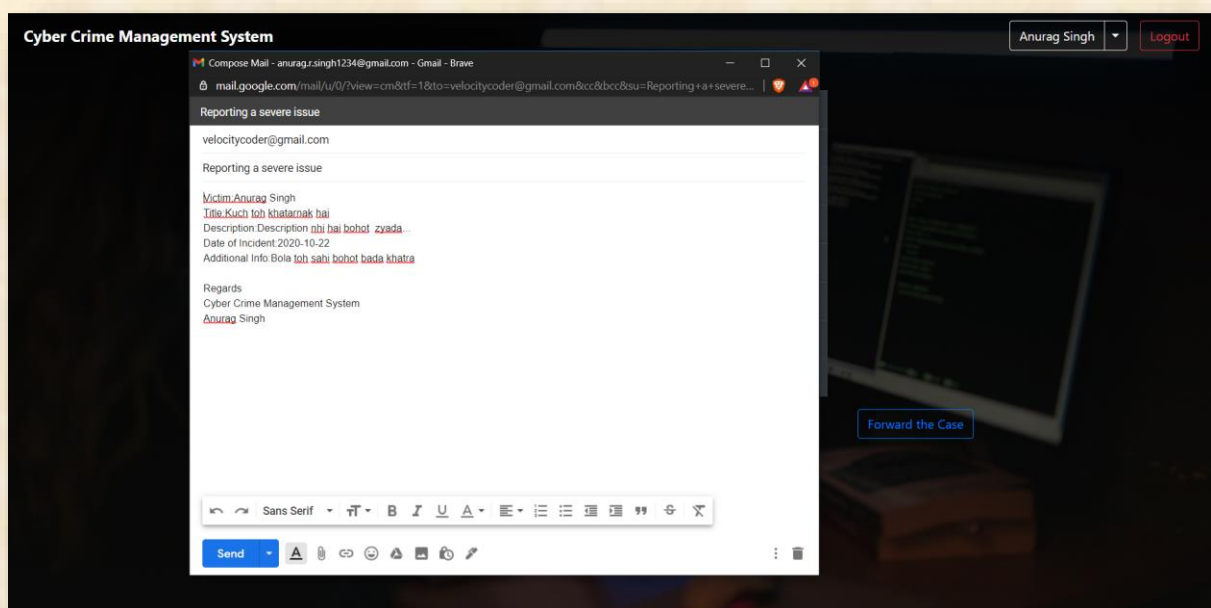
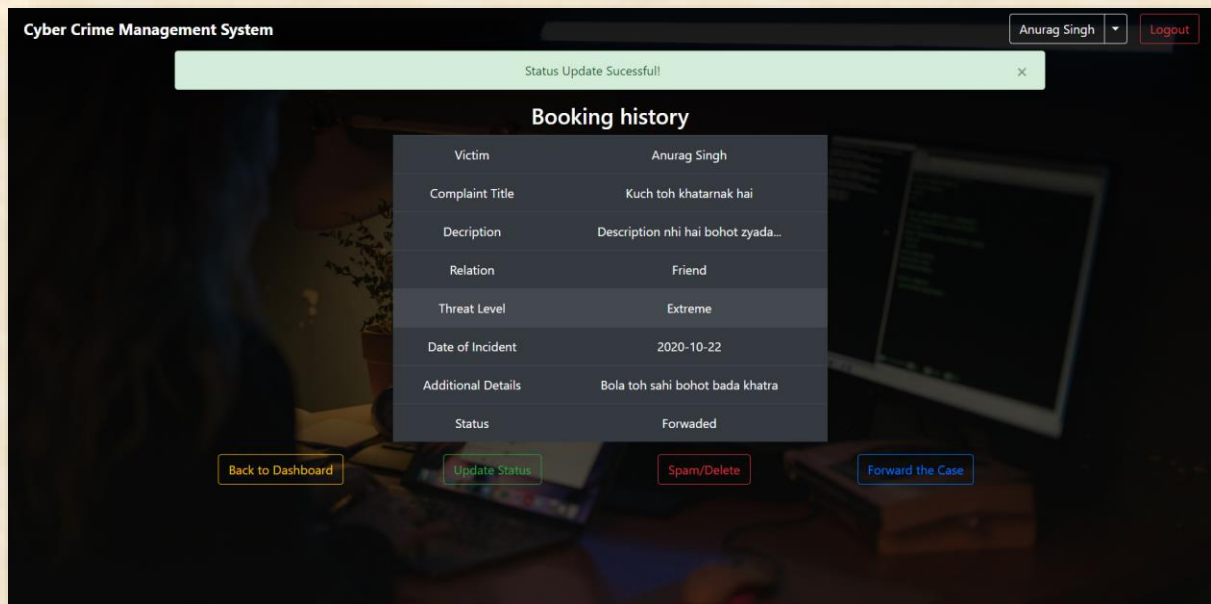
Does someone has a trouble!
Click to Report

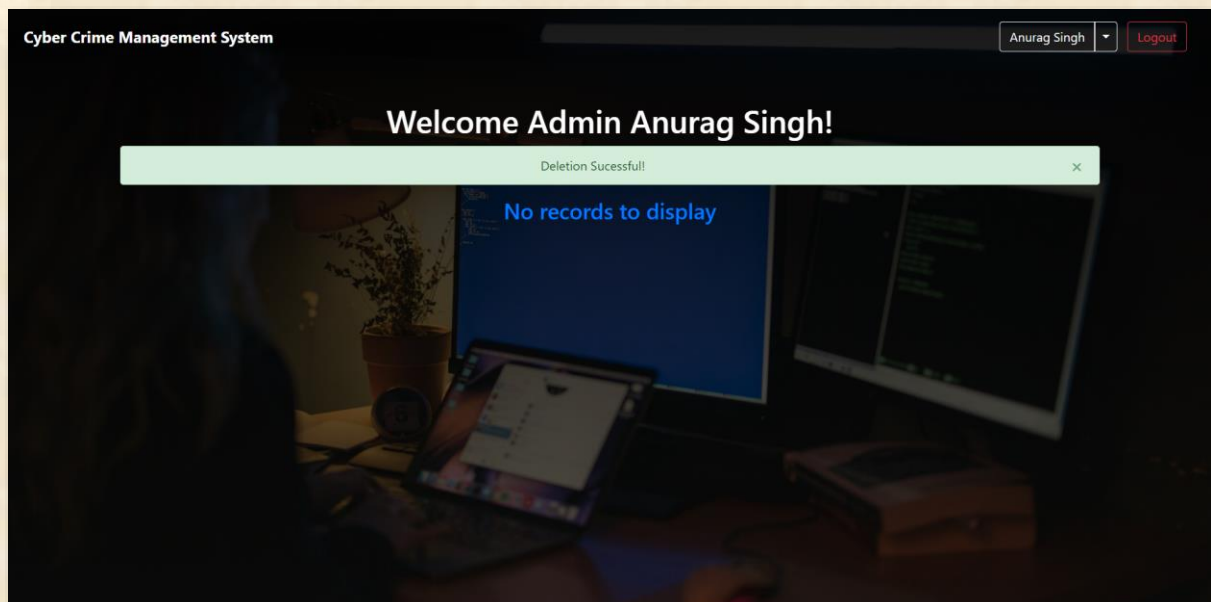
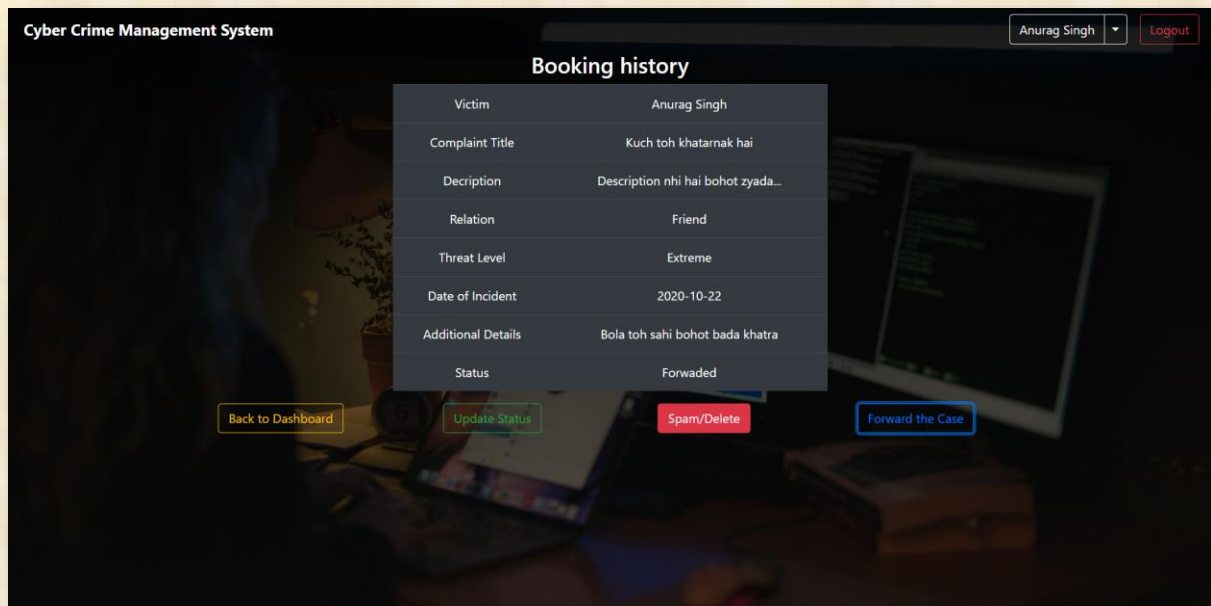
Register a complaint

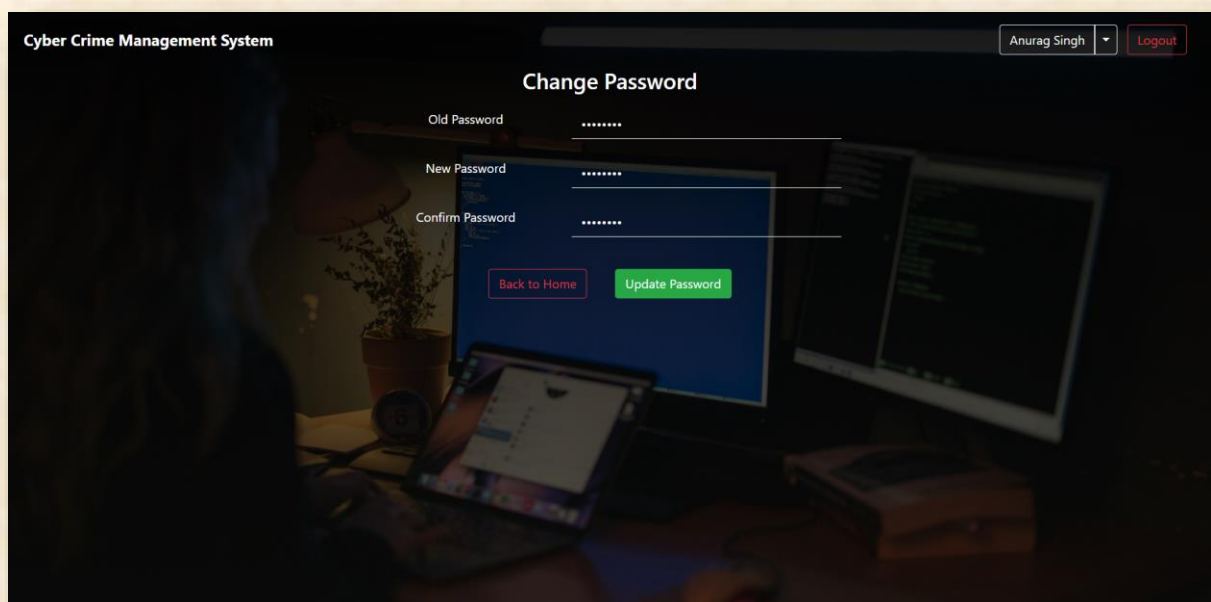
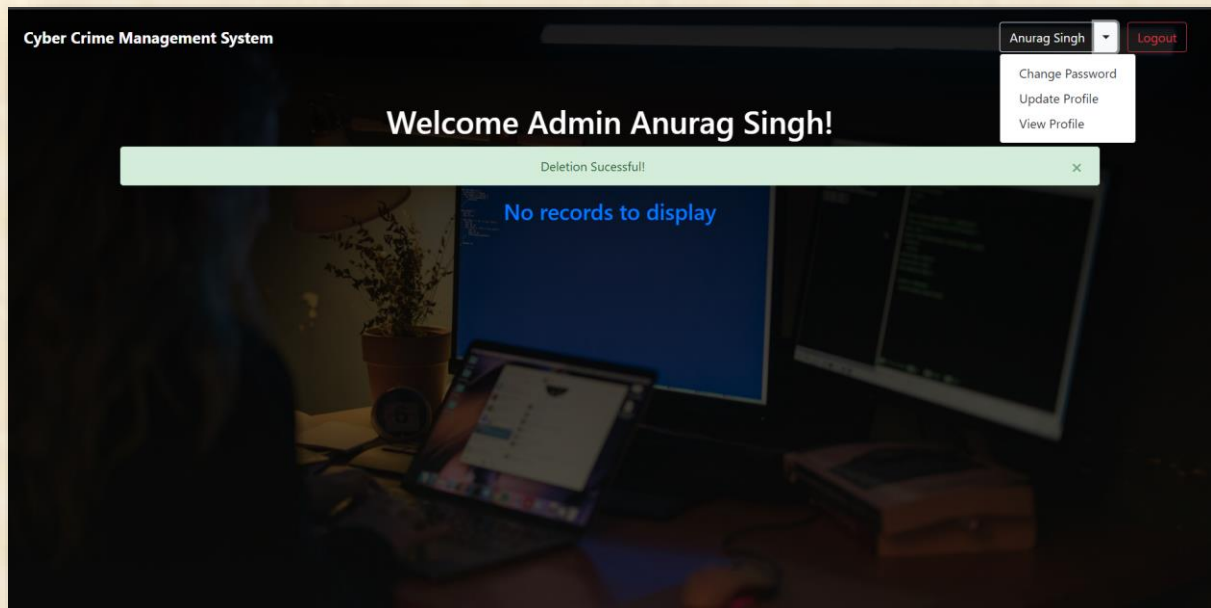


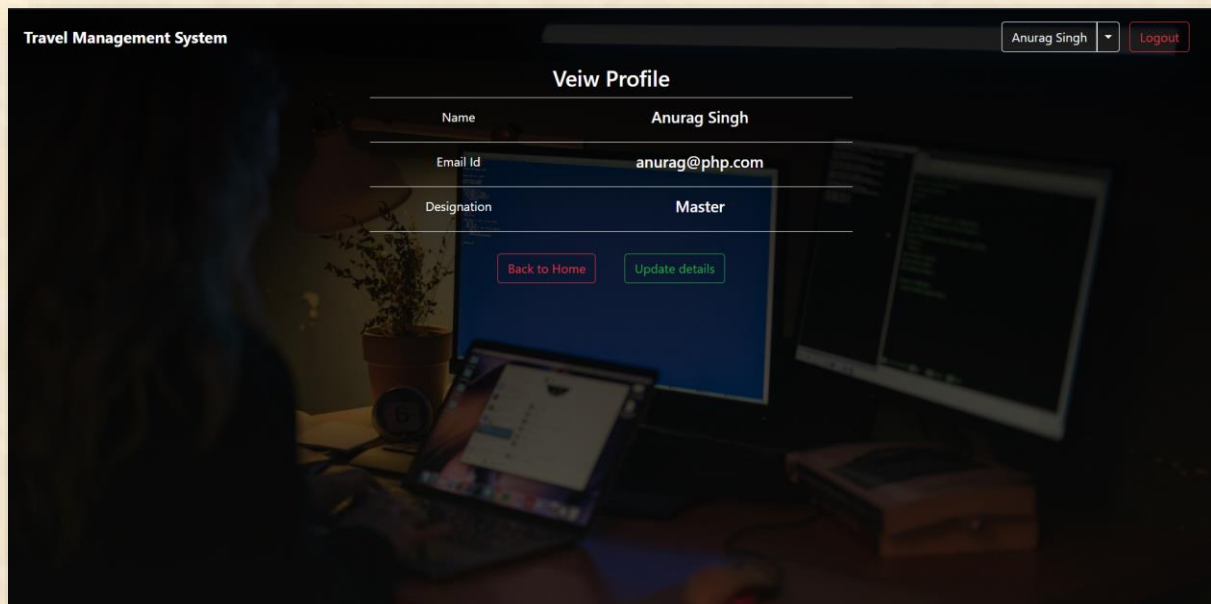
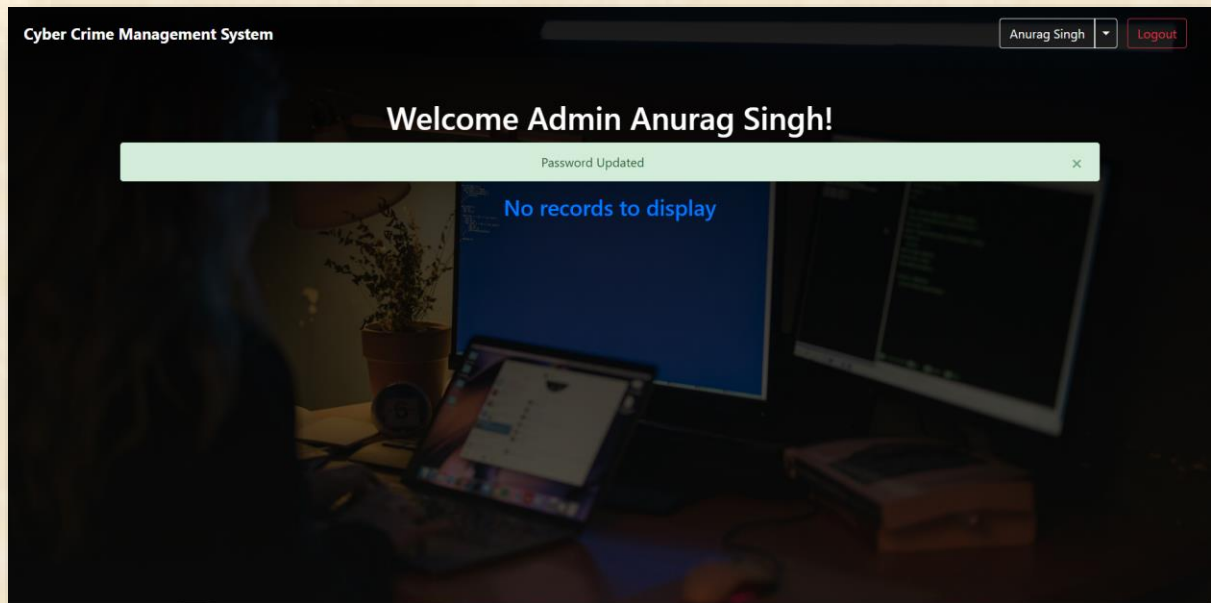


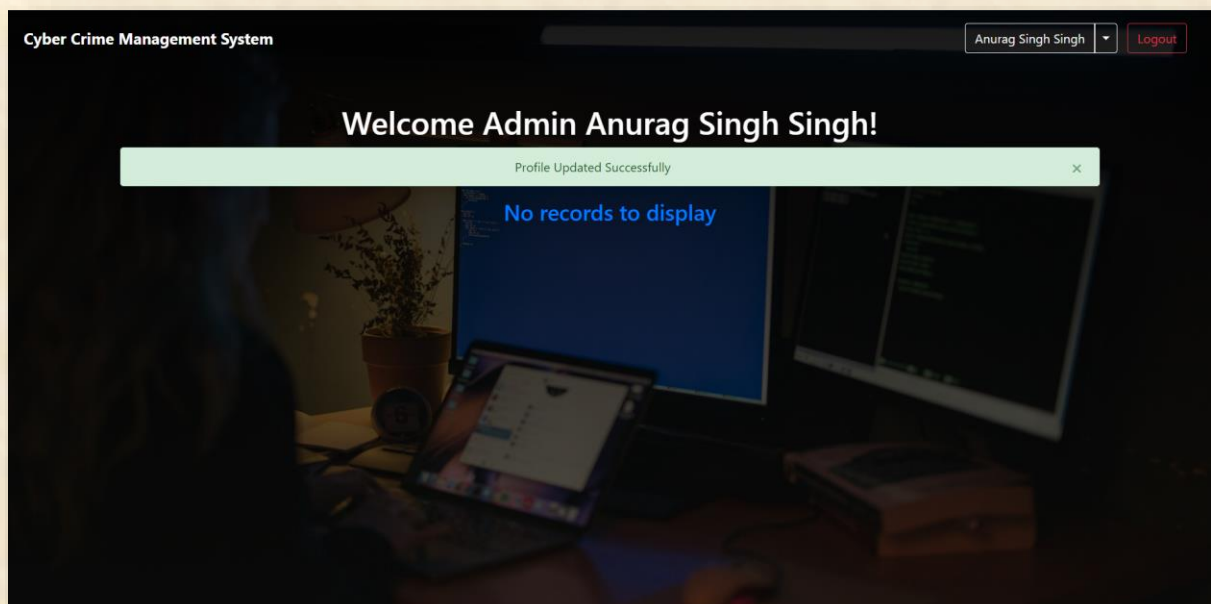
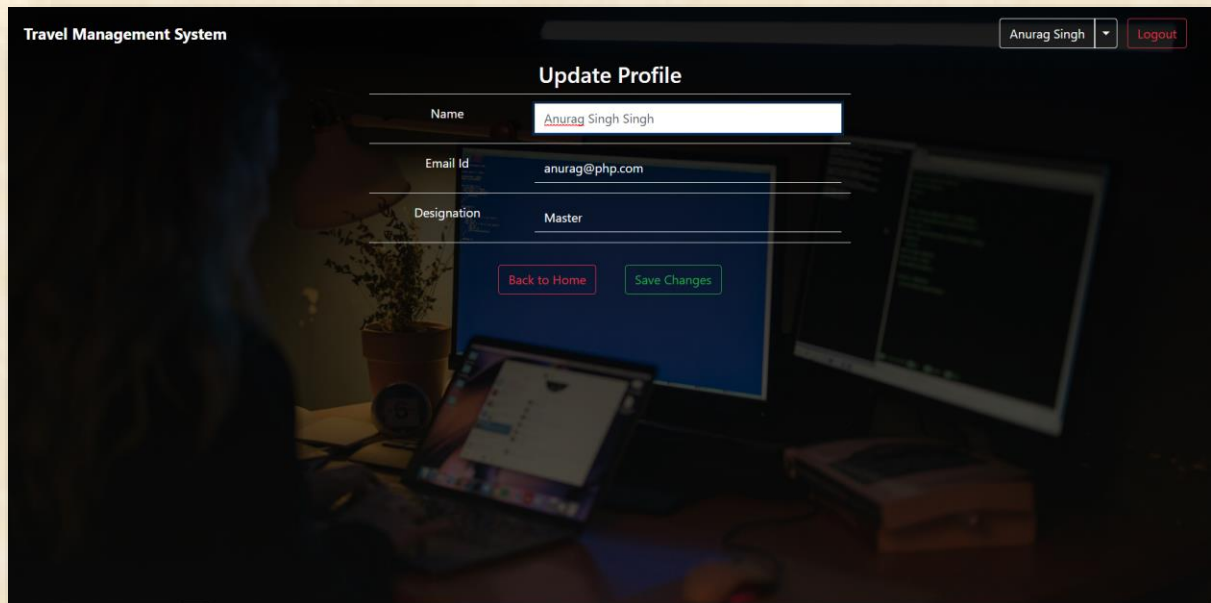












Designed and Developed By



Anurag Singh



[Back to home](#)

6. Results and Discussion

The Cyber Crime management system project will significantly reduce the load on government portals and also would mitigate Spams and low severity complaints to be handled easily in unofficial mode. The development involved use of PHP & MySQL for the backend handling of data. For the GUI part, the frontend used HTML, CSS, Bootstrap and JavaScript.

The User/Citizen section included Login and Registration modules including Logout functionality as whole authentication module. Then there is a complaint management module which helps in registering complaints and view them. The next is personal data view and update of information for the citizens.

On the Admin Side, there is also an authentication module including login and logout mechanisms. The admin dashboard has all the complaints listed and after checking the details the admin can take actions of deleting, reporting to higher authority or updating the status of the complaint.

7. Conclusion

The project was successfully completed using PHP as Backend; HTML, CSS, Bootstrap and JavaScript as Frontend and MySQL as database technologies respectively. This project provides a simple user interface and good user-experience in registering a complaint. The platform would be applicable in various kinds of complaint management from less to extreme in severity. The admin can control the flow of complaint to the higher authorities and filter out severe complaints to proceed. Registering a complaint and tracking its progress all comes under one roof. There is no need of manual complaint registration.

There could many more advancements in the project to make it more flexible and easier to use. Some features could be Adding module for Police Officers area wise. Emergency registration section without any need for registration/login. Automatic Location Detection of the complaint registered. Informing the nearby police station in emergency cases. Adding an authentication procedure such as Aadhar card for verifying identity and providing an option to work as a volunteer to spread awareness in the society.

8. References

- [1] <https://www.myadvo.in/blog/how-to-file-a-cyber-crime-complaint-with-cyber-cell-in-india/>
- [2] <https://cybercrime.gov.in/Webform/FAQ.aspx>
- [3] <https://www.news18.com/news/tech/understanding-cyber-laws-in-india-and-how-you-can-report-online-bullying-2614017.html>