



Crime Analysis, Classification and Forecasting

MD. Jareena Begum¹, Y. Lakshmi Tulasi², V. Anjali³, M. Shabeena Begum⁴

MTech, Computer science & Engineering, Bapatla women's Engineering College, Bapatla, INDIA¹

BTech, Computer science & Engineering, Bapatla Women's Engineering College, Bapatla, INDIA²⁻⁴

Abstract: The Crime Reporting Management System is a software that is intended to handle all aspect of a police station's operations, including the case management procedure in its entirety. Through computerized recording of complaint data, most wanted offenders, and police station operations, it facilitates the reporting of crimes and oversees all station activities. Workflows can be readily and effectively controlled by computerizing station operations, as many processes are now done by hand. The main components of this project are the user and admin login, the registration of complaints, the viewing of complaint status, the management of criminal registrations, the upkeep of case files, the management of the most wanted criminals list, the provision of general news about crimes in the city, and the provision of safety advice, especially for women and merchants. This project helps automate the administration, user, and police station management systems, as well as complaints and criminal records.

Keywords: Crimes, Investigations, Complaints, etc.

I. INTRODUCTION

Are you looking for a project to regulate online crime with a gadget? We are ready to assist you right now. You'll make contact with us. The Online Crime Reporting System is the device's name. This device is designed to hold information about the crimes and the prisoners. Jailor has the ability to log in individually and upload details on inmates, such as name, age, address, offense, and sentence. Additionally, sailors have the ability to file information regarding exceptional guards who may be held accountable. Jailors have the ability to switch around features like the guards' duty hours. Jailor may draft the main Information Report as well and may decide to maintain it. The date, time, range, and information contained in the FIR are also viewable at any moment by the registered individual, if necessary. The admin of this device is a greater individual. The admin has the ability to both upload and remove the individual, Jailor. The person has the easiest ability to change all of the traits. This device discusses any crimes that are typically resolved, as well as any grievances that are filed with the police, any firs that are resolved, and any situations in which the criminal gets stuck. An additional benefit is that, should a grievance be filed online, it can be verified by all of the customers who have registered, and if there are any updates regarding any grievances, they can be filed online. It will improve the police's ability to apprehend stranded criminals.

II. LITERATURE SURVEY

When you write a literature survey in support of your challenge, you must put in writing the researches made with the help of diverse analysts the ones who are already published - & their methodology (which is basically their abstract) and consequently the conclusions they want observed out. A literature survey in the context of a challenge document is that bankruptcy which seem the numerous syntheses and studies made in the area of your hobby and additionally the effects already published, taking below attention the various parameters of the challenge and additionally the restriction of the challenge. Literature survey allows to pick our course for studies. Literature survey allows to line a purpose to your analysis – so it offers you along with your trouble statement.

III. PROPOSED SYSTEM

The victims can use the website to file a FIR under various sections. If there is any online pictorial proof, the client can submit it. Through a criminal data collection, the police will always have access to the records. Client data will remain confidential under this system, and only client complaints will be forwarded to the nearest the police headquarters.

The server side automatically sends the client's complaint number, and in order to identify the location and the real person, the concept of treats and IP tending to has been used. In order to present a strong case while filing a case, the client can submit any photographic evidence he may have through the website.



A. Module for User Interface

A confirmation module is a module that collects information from a chief mentioning entry into a protected asset and verifies the information against entries in a data repository. In addition, the client will be granted approval if the data provided satisfies the verification requirements; if not, the requested information will be rejected. Every station should sign up for the system. The enrollment procedure then starts as soon as each station provides their personal information, such as the name of the administrator, address, phone number, and station, among other details. This module shows the validation process so that users, Base Camp, and the admin can log in and use the application.

B. FIR Section

The client can use their Aadhar number to document the FIR in this module. The details of the FIR, such as the case type and detailed description, should be captured in the enrollment structure. The police station to which the customer wants their FIR to be forwarded is up to them. When filing a Form FIR, the client can also upload the associated photos as case evidence. This form is used to record all of the details related to the misconduct. It has the following details: the date, the location, the type of misconduct, the area of the misconduct, the police headquarters where it is recorded, and so on. The specific police station will receive the case details. The police headquarters administrator will review the FIR and should take all necessary action. The customer can view the actions done in response to the FIR by using the case status module.

C. Module of Notification

The FIR Numbers whose status has not been changed should send a notice to the More Significant Position in the unlikely event that the Status of the FIR has to be delayed for the specified period of time. Regarding our circumstances to the Head Office. The intricacies of the cases whose status has to be delayed for the predetermined period of time are visible to the administrator from Headquarters. This enables clients to monitor and filter case tasks related to cases for perceptive officers. Details about the current state of the case, available for publication in the extraordinary issue of Advanced Networking and Applications, along with options. This will alleviate the burden of using paper frames, and implementing this framework will increase task probability, reasonability, and progress while significantly reducing material loss.

D. Module for Case Reports

This module allows us to investigate the rate of crime reports as well as the handling pace of police stations. Additionally, we can look at the bodies of evidence that have been documented against each type, particularly the places. The massive informational index that the information gathering providers provided in the event of wrongdoing in India has been downloaded by us.

In addition, we have created a diagram in the Report to illustrate the nuances of the Case. The ASP.NET figure used in the wrongdoing report makes use of the Convolution Neural Network methods and the Factor Graph Method. This gives the strategic clients and the police chief the ability to generate reports that will assist them in monitoring infractions and if the officers are doing their duties.

E. Benefits

- Authentic control over the more important position;
- Less manual information passages; greater notable effectiveness;
- Better assistance;
- Ease of use and intelligence;
- Least amount of time needed;
- And least amount of time needed for various handlings are just a few of the benefits that come with this system.



IV. RESULTS

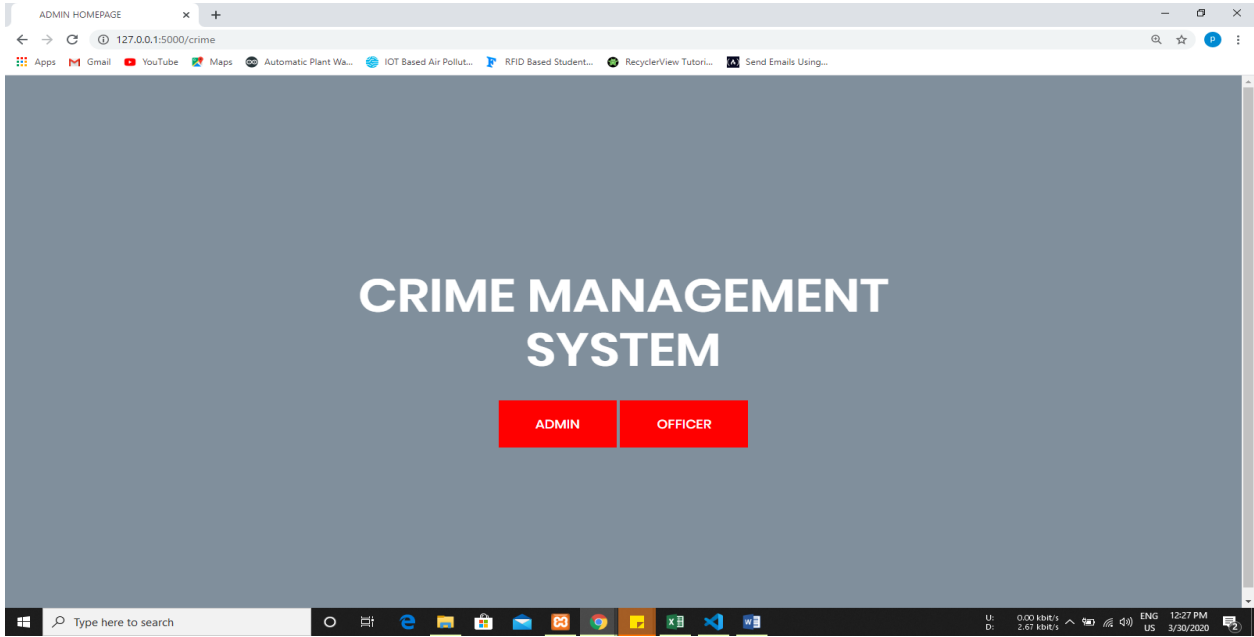


Fig 1: Crime Management System

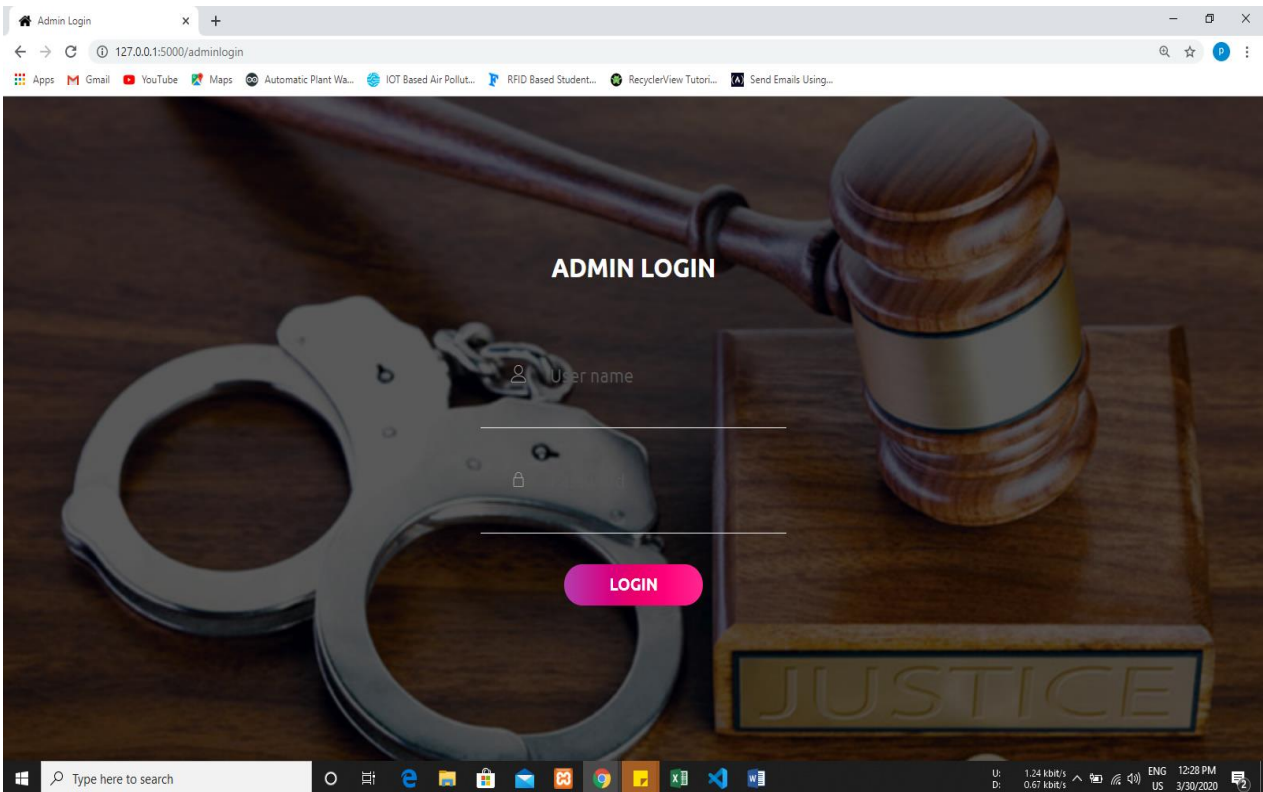


Fig 2: Admin Login

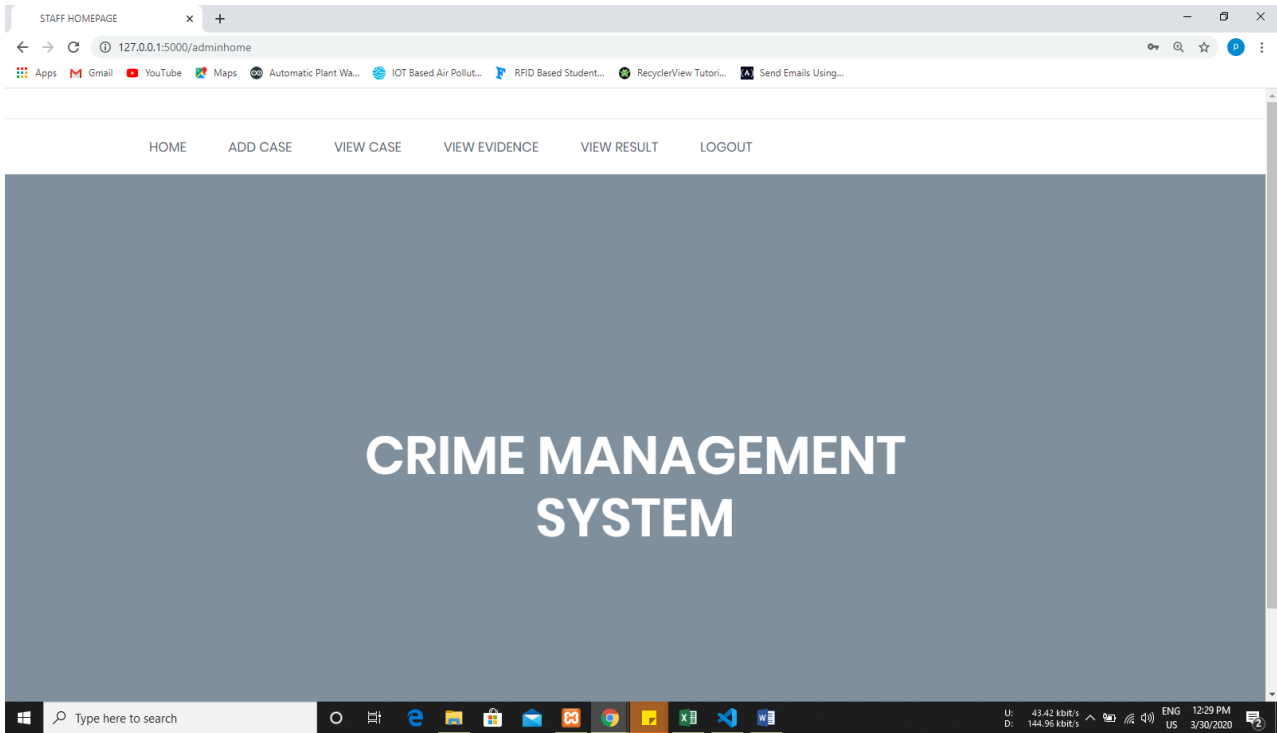


Fig 3: Crime Management System

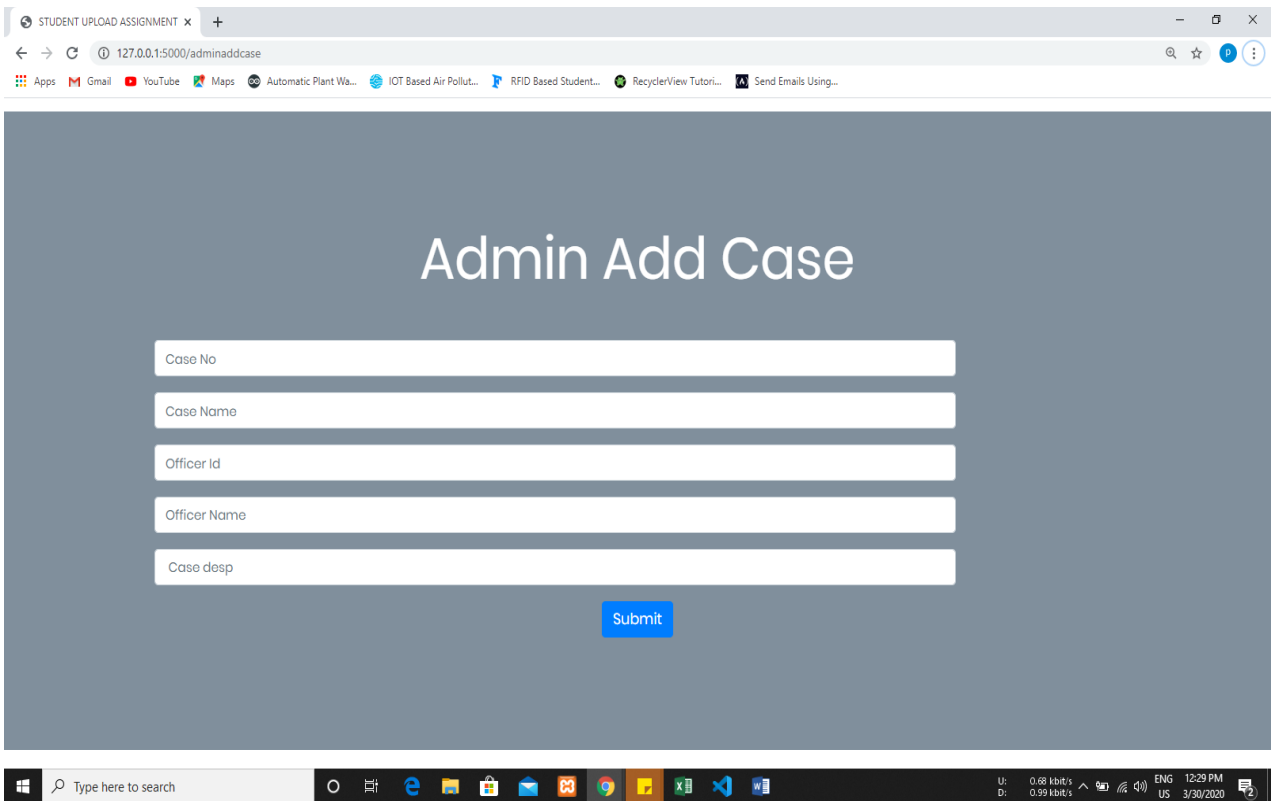


Fig 4: Admin Add Case

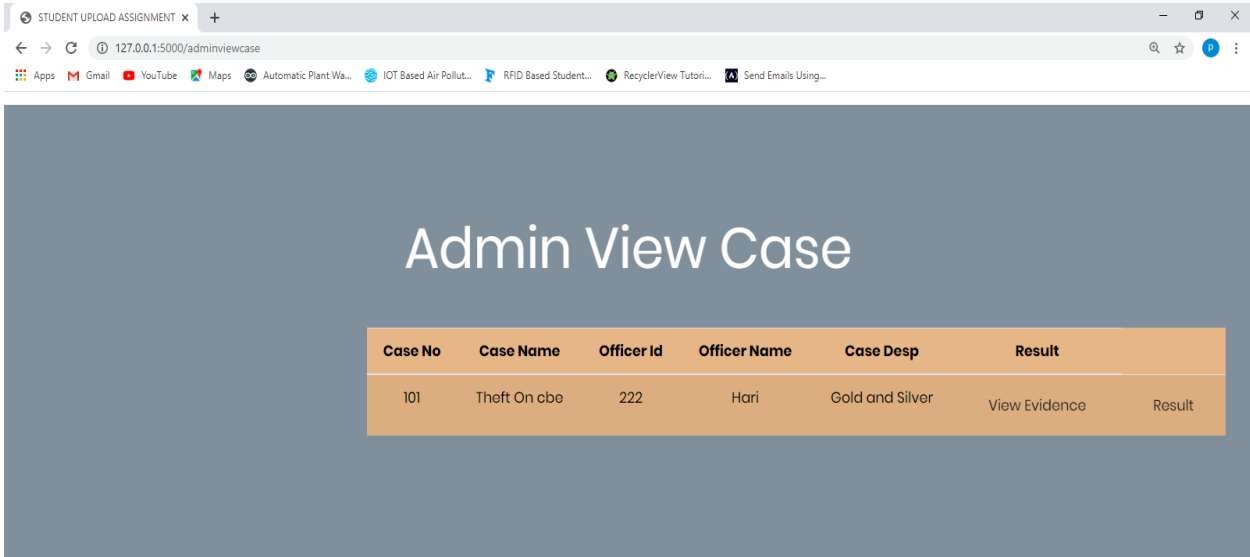


Fig 5: Admin View Case

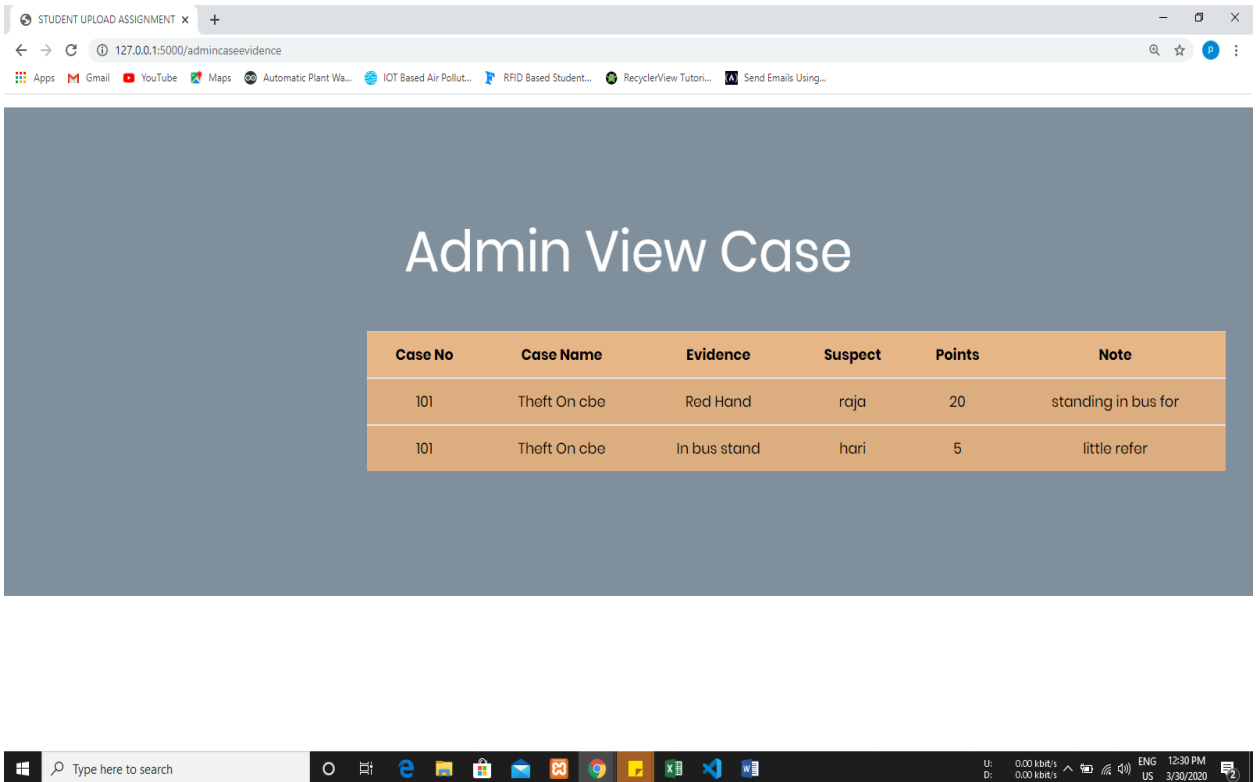


Fig 6: Admin View Case

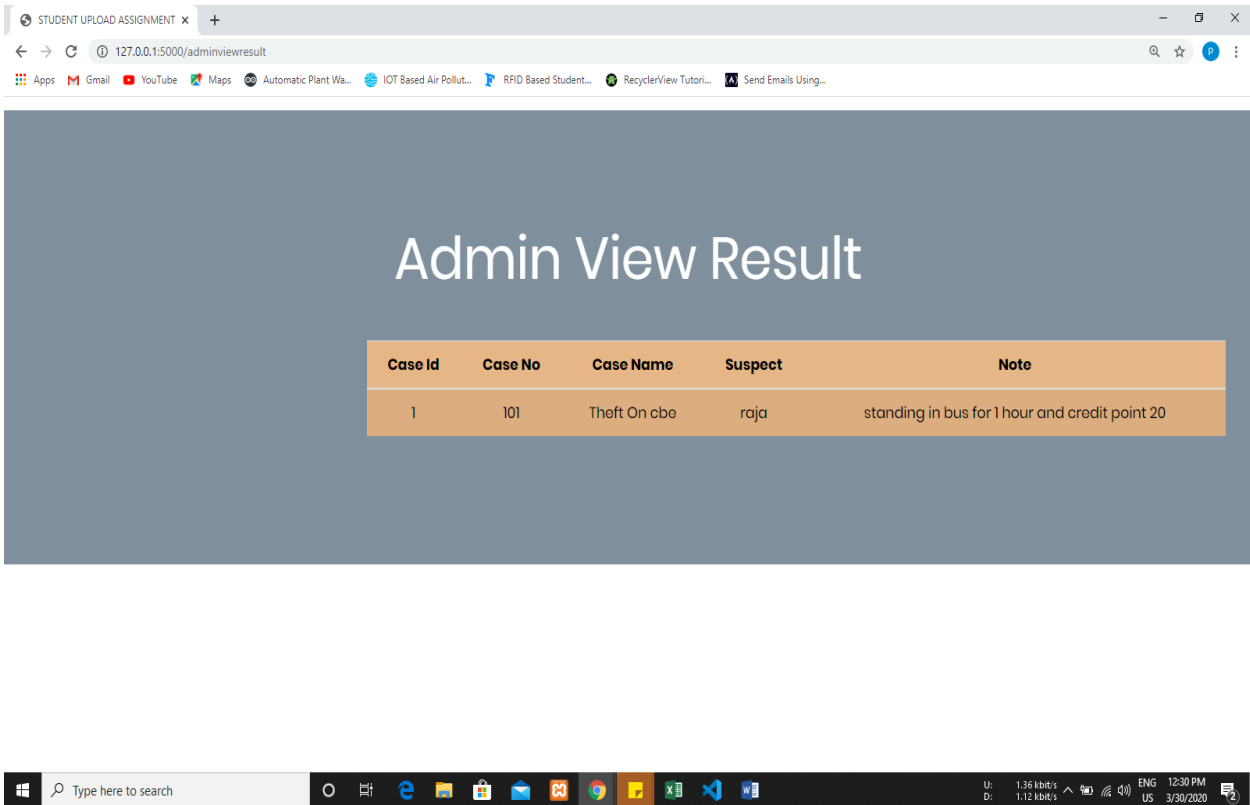


Fig 7: Admin View Result

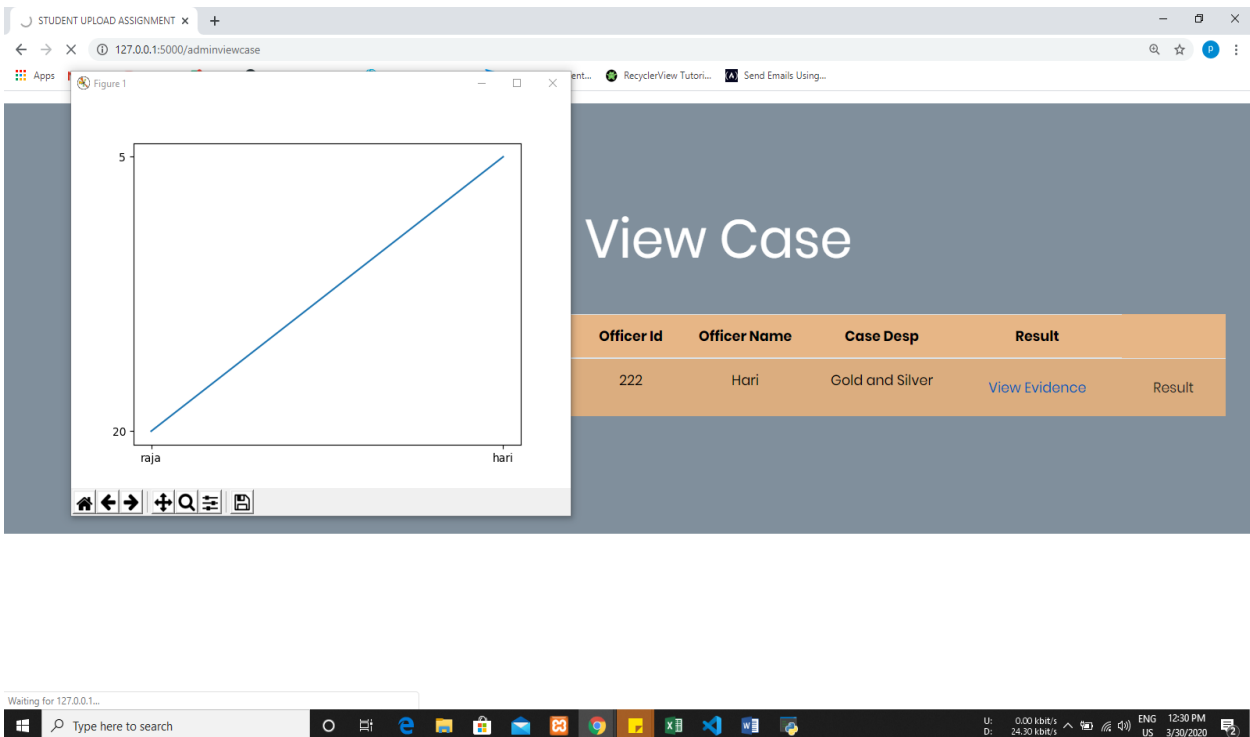


Fig 8: Admin View Case

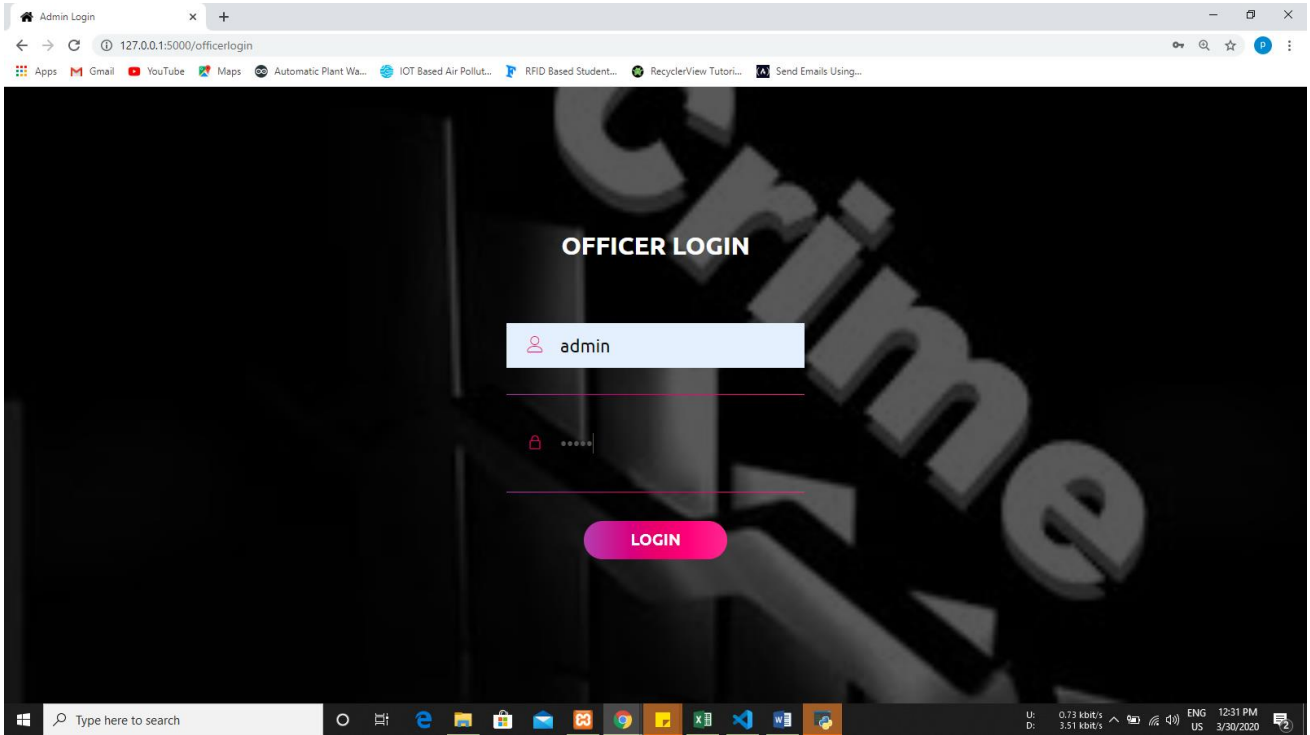


Fig 9: Officer Login

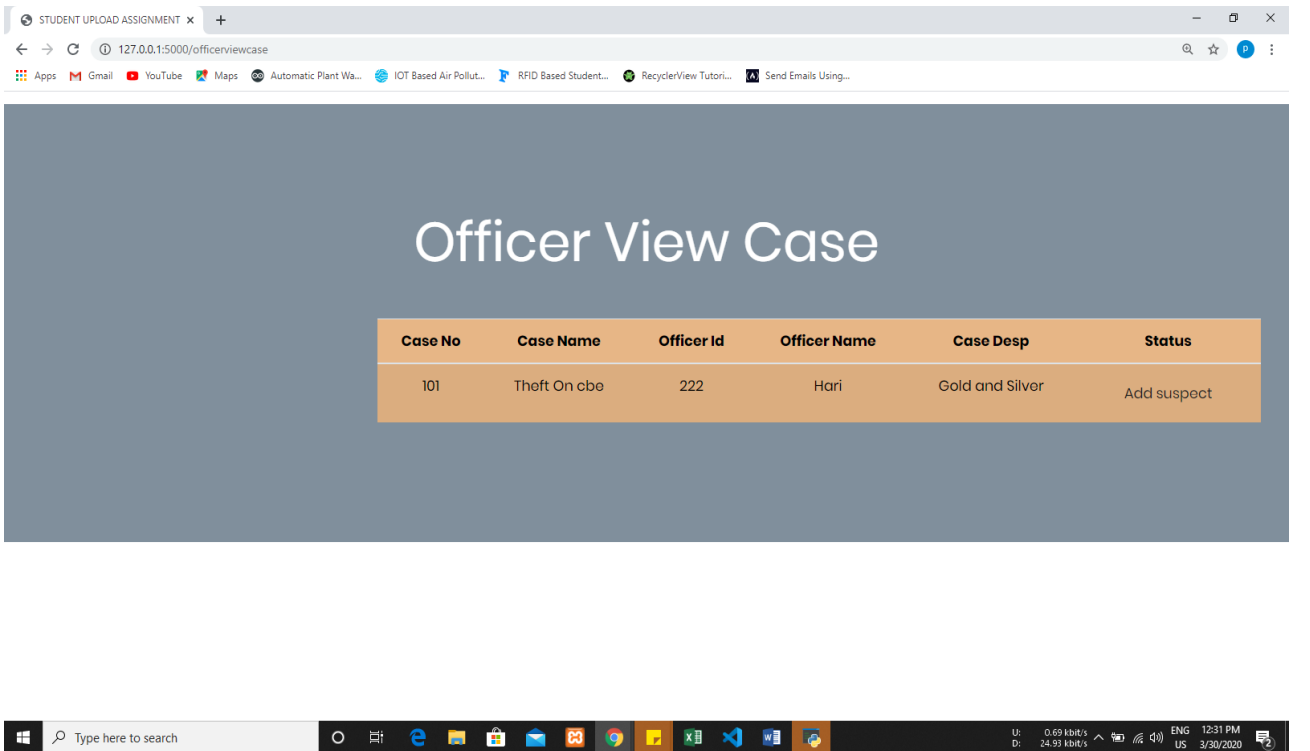


Fig 10: Officer View Case

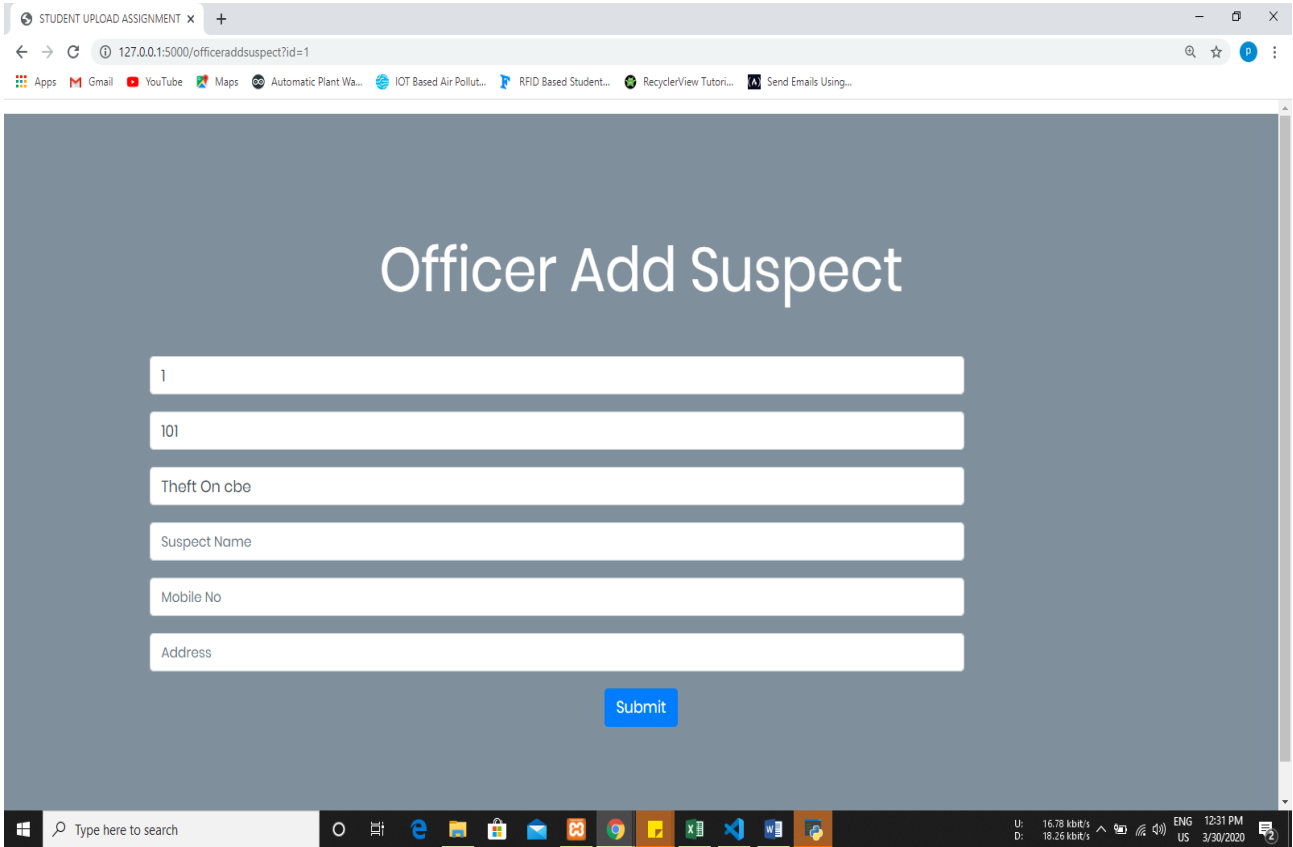


Fig 11: Officer Add Suspect

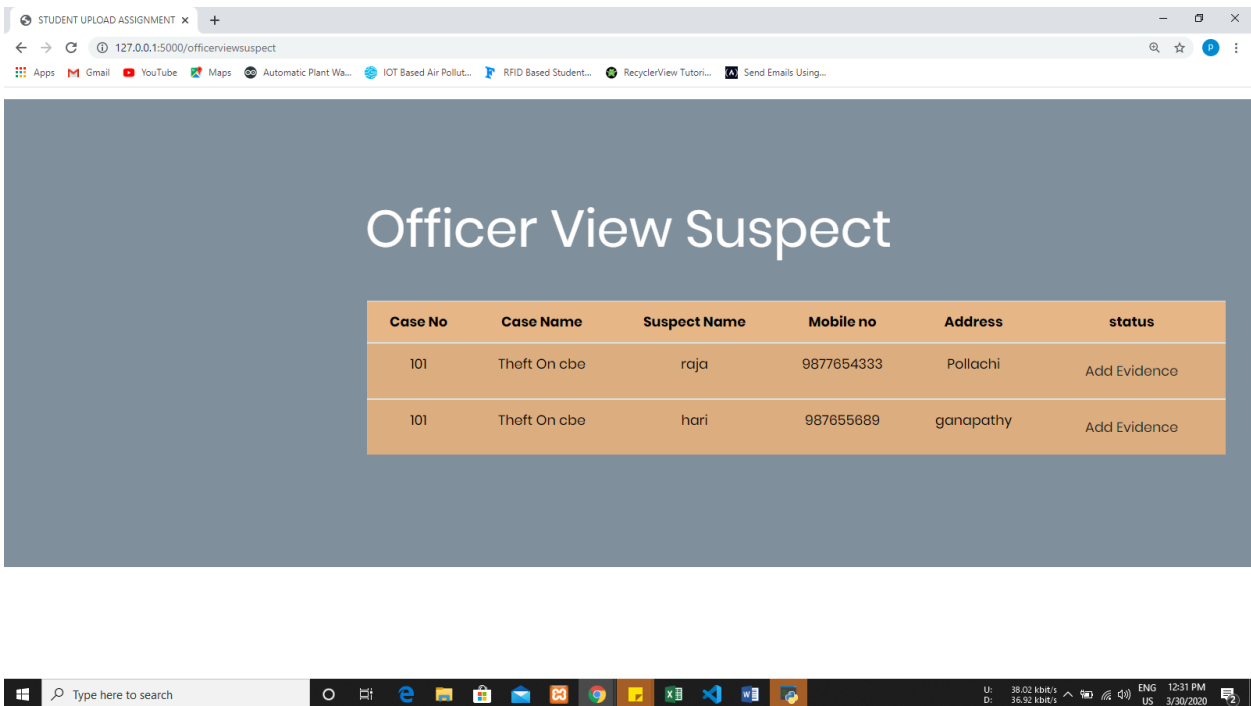


Fig 12: Officer View Suspect

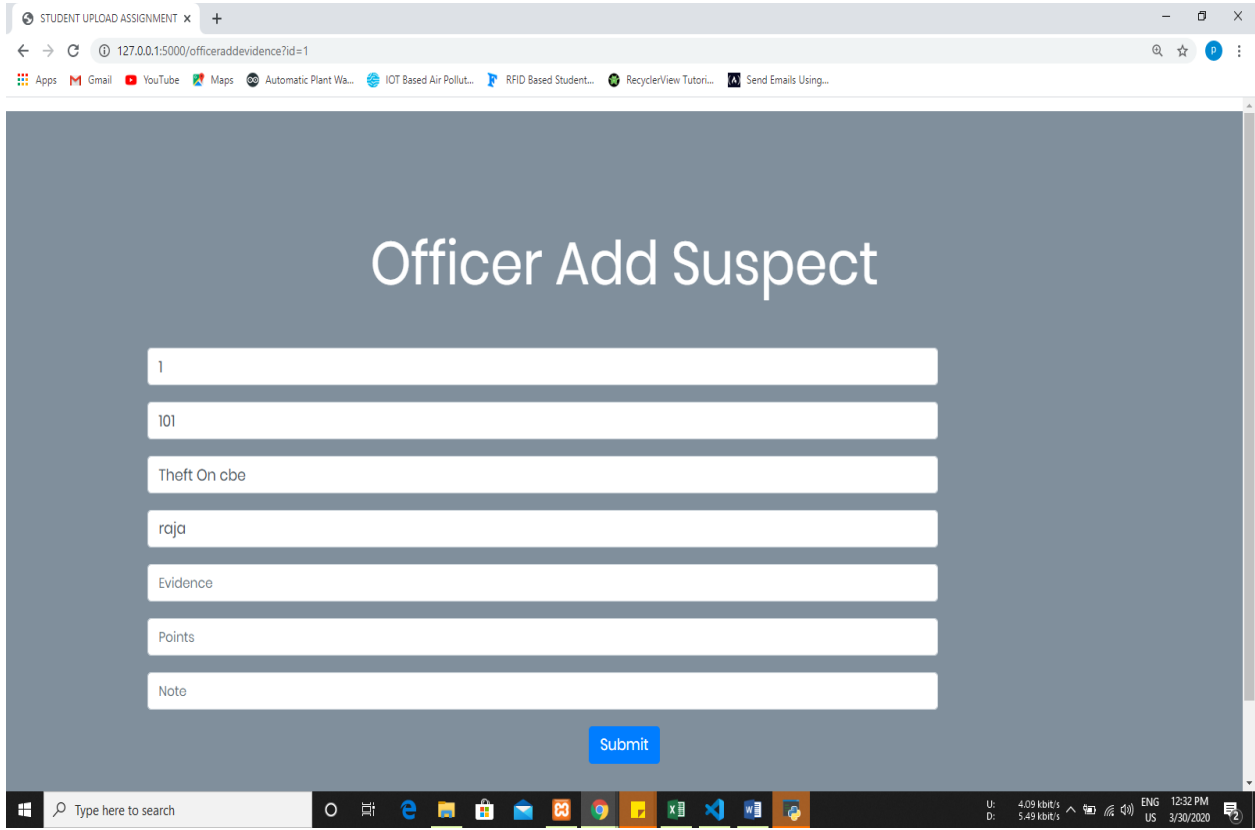


Fig 13: Officer Add Suspect

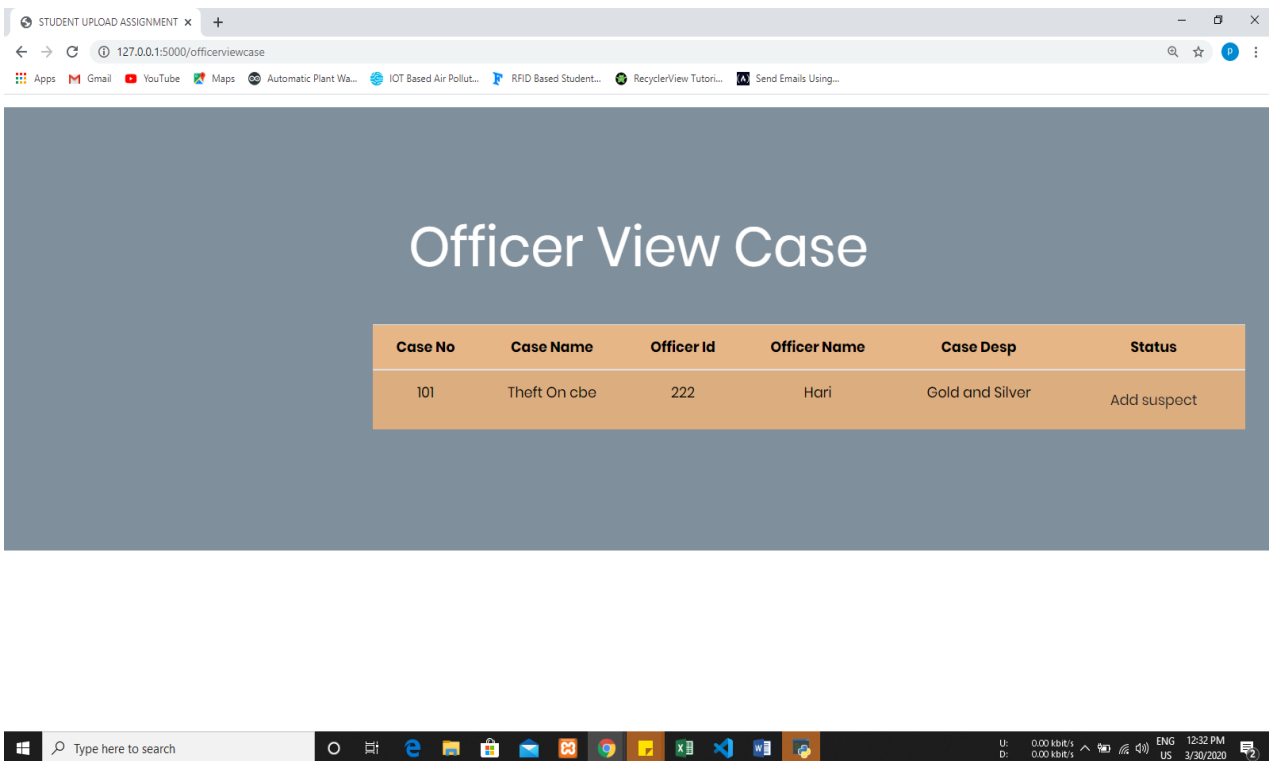


Fig 14: Officer View Case

V. CONCLUSION

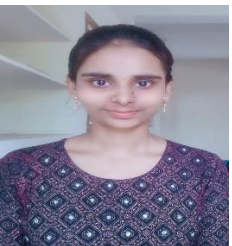
The Online Crime Reporting System is an overly accommodating web application framework that benefits government agencies, diverse social orders, and everyday citizens alike. This is predicated on an incredibly simple and uncomplicated methodology. This has been implemented as a safety precaution for all socioeconomic classes and individual members. Anything that is against the law or anyone who is abusing the regulations will now be met with some caution because filing a FIR is now much easier than it was in the past. The Online Crime Reporting System is a success that both citizens and government organizations are proud of. This has been attempted and worked well. Therefore, this makes it far more proficient.

REFERENCES

- [1]. Title: Using Data Mining to Report Crime Online in the International Research Journal of Engineering and Technology (IRJET), Volume 07, Issue -Publish Published by Pradnya Ogale on January 21, 2020.
- [2]. Title: "Data mining techniques for crime detection and identification in India," AI & SOCIETY, vol. 30, No. 1, pp. 117–127 Published by: D. K. Tayal; Published Year: March 16, 2015.
- [3]. Title: "Data mining techniques for crime detection and criminal identification in India," AI & SOCIETY, vol. 30, no. 1, pp. 117–127, Published Year: January, Author: S. Saitta.
- [4]. Title: Python's Natural Language Processing 2007 The statistical review of crime against women in India was conducted by R. N. Mangoli and G. M. Tarase and published in the International Journal of Criminology and Sociological Theory, vol. 2, no. 2, pp. 292–302. Published by: E. K. Steven; Published Year: December 2019.

BIOGRAPHY**Mrs.MD. Jareena Begum**

M. Tech, Asst. Professor, Dept of Computer Science and Engineering, BWEC, Andhra Pradesh, India.



Yarragunta Lakshmi Tulasi [B-Tech], Student, Dept of Computer Science and Engineering, BWEC, Andhra Pradesh, India.



Voddula Anjali [B-Tech], Student, Dept of Computer Science and Engineering, BWEC, Andhra Pradesh, India.



Mogal Shabeena Begum [B-Tech], Student, Dept of Computer Science and Engineering, BWEC, Andhra Pradesh, India