

VEHICLE THEFT ONLINE COMPLAINT APPLICATION SYSTEM

**Dr. Bandi. Krishna¹, V. Madhumitha², M. Ishu³, B. Simhadri⁴, . M.nikhil⁵,
Dr.V.Ramdas⁶**

^{1,6} Associate Professor, Department of CSE, Balaji Institute of Technology and Science,
Laknepally, Warangal, India

^{2,3,4,5} B.Tech Student, Department of CSE, Balaji Institute of Technology and Science,
Laknepally, Warangal, India

Abstract

The main aim of this projects to notify each and every policeman about the release of any vehicle theft cases, including details, such as, criminal's id, name, type of release and so on. In this system all these activities (like registration of the complaint, updating information) are managed that saves time. Additionally, this project to develop if user wills old the old vehicle to any another party they must be register with the police vehicle register because it will newly register with new buyer named. This applications for the police stations that provide facilities for reporting vehicle thefts, filing FIR and maintaining prisoner records. It provides better prospective for the enhancement of organization regarding quality and transparency. Sent days with increase in number of vehicles, vehicle thefts are also increasing in large numbers it is a challenging task for the owners to protect the vehicle

1. INTRODUCTION

This comprehensive online system allows victims of vehicle theft easily file complaint, providing law enforcement with necessary information to investigate crime and assist in the recovery of the stolen vehicle. An online vehicle theft to the complaint application system is a digital platform Designed to streamline the reporting and tracking the information and the Management vehicle theft incidents. The system allows the vehicle owners to file theft reports quickly and efficiently of through an online in enforcement agencies. This system aims to modernize the process of filing complaints related to stolen vehicles by providing a user-friendly interface for both vehicle owners and law enforcement agencies.

In traditional scenarios, victims of vehicle theft often had to visit police stations in person to file in the

which could be time-consuming and sometimes inefficient. The online complaint application system is eliminates the need for physical visits, allowing users to submit detailed reports, including necessary to documents and evidence, directly from their computers or mobile devices

2.LITERATURE SURVEY

This literature survey reviews relevant works in the area of online complaint systems for vehicle theft, the discussing the design, implementation, benefits, and challenges associated these systems. Then the system

Vehicle theft is a significant problem worldwide, and various studies have focused on identifying for the preventing theft and improving the reporting and recovery process. According to reports from organisation International Crime Victimization Survey (ICVS), vehicle theft is one of the most common types of crime. Many regions have seen an increase in sophisticated theft methods, ranging from traditional method to all

to more advanced cybercrimes, where GPS trackers or electronic hacking tools are used to steal vehicles.

The development of online vehicle theft complaint systems has greatly improved the reporting process for stolen vehicles. With advancements in technology, these systems are becoming more efficient, accessible, and integrated with other safety and law enforcement platforms. Future trends indicate that the use of AI, IoT, blockchain, and other emerging technologies will further enhance the effectiveness of these systems, making it easier to track stolen vehicles and bring perpetrators to justice.

3.PROBLEM STATEMENT

Vehicle theft remains a significant problem globally, with thousands of vehicles reported stolen each year, resulting in financial losses for individuals, insurance companies, and law enforcement agencies. Traditional methods of reporting stolen vehicles, which typically involve physically visiting police stations, are time-consuming and often lead to delays in the investigative process. As the number of vehicles on the road increases, along with urbanization and the rise in digital platforms, there is a growing need for a more efficient, user-friendly, and accessible way to report vehicle thefts.

While some regions have developed online reporting systems, many still face challenges related to accessibility, security, and integration with existing databases. The lack of real-time reporting, effective data validation, and streamlined communication between citizens and law enforcement remains a gap in current systems. As vehicle theft continues to be a significant problem in urban areas worldwide, several countries and law enforcement agencies have implemented online systems to allow citizens to report vehicle thefts and assist in recovering stolen vehicles more effectively. Below is an overview of the existing systems, detailing their features, technologies used, and the advantages they offer.

The Indian government has introduced various digital platforms for reporting crimes, including vehicle thefts, under the broader "e-Police" initiative. Citizens can file complaints for vehicle theft through online police complaint portals or mobile apps developed by regional police departments. Several countries and regions have implemented online systems that allow citizens to report vehicle thefts efficiently. These systems are designed to streamline the process, allowing victims to file complaints directly with law enforcement, track the status of investigations, and integrate with other databases (e.g., national vehicle registries or insurance companies). Here are some existing systems for vehicle theft online complaint applications

4. METHODOLOGY

Vehicle Theft Online Complaint Application is to thoroughly understand the needs of all stakeholders, including vehicle owners, law enforcement agencies, and system administrators. This phase involves gathering both functional and non-functional requirements through meetings, interviews, and research. The primary goal is to define the system's capabilities, such as enabling users to report stolen vehicles, track complaint statuses, and receive notifications.

During this phase, requirements such as system performance, security, and scalability must also be established. For instance, the system must be able to handle a large number of concurrent users, provide real-time updates, and ensure data protection, especially since vehicle owners will provide sensitive information such as personal details and vehicle identifiers.

. vehicle theft online complaint application system Such a system plays a critical role in enabling vehicle owners to report thefts quickly, facilitating the tracking of stolen vehicles, and providing law enforcement agencies with real-time data to assist in recovery efforts. A robust methodology ensures that the system is user-friendly, secure, and capable of handling a high volume of complaints while meeting the diverse needs of users, from victims of theft to police officers. This essay outlines the methodology for developing such a system, covering the key stages of the software development lifecycle.

5.ADVANTAGES

- Efficiency
- Accessibility
- effectiveness
- Managing the data
- law enforcement agencies
- enhancing

6. MODULES

- ☐ User Registration
- ☐ Login and Authentication
- ☐ Two-Factor Authentication

☐ Profile Management

☐ Role-Based Access Control

7. IMPLEMENTATION

Implementing a **Vehicle Theft Online Complaint Application System** involves several stages, from system design and architecture to development, testing, deployment, and ongoing maintenance. Below is a comprehensive guide on how to implement this system. Implementing a **Vehicle Theft Online Complaint Application System** involves several stages, from system design and architecture to development, testing, deployment, and ongoing maintenance. Below is a comprehensive guide on how to implement this system.

The design phase lays the foundation for the entire system. It involves defining the technical architecture, database structure, user interfaces, and integration points. The system architecture should be **modular** and **scalable**, allowing for easy maintenance and future enhancements.

. vehicle theft online complaint application system Such a system plays a critical role in enabling vehicle owners to report thefts quickly, facilitating the tracking of stolen vehicles, and providing law enforcement agencies with real-time data to assist in recovery efforts. A robust methodology ensures that the system is user-friendly, secure, and capable of handling a high volume of complaints while meeting the diverse needs of users, from victims of theft to police officers. This essay outlines the methodology for developing such a system, covering the key stages of the software development lifecycle.

8. CONCLUSION

In conclusion, implementing an online complaint application system to vehicle theft can significantly enhance the efficiency and effectiveness of reporting and addressing such incidents. This system provides several key benefits: it is tracking your theft vehicle stolen by the third party. the technology has to developed to track the vehicle. Overall, an online complaint application system for vehicle theft represents a modern approach to crime reporting, leveraging technology to create a more responsive and user-friendly process. It not only aids in recovery and resolution but also to the broader goal of reducing vehicle theft through improved data and resource management.

REFERENCES

1. Sommerville, I. (2011). *Software Engineering* (9th ed.). Boston: Addison-Wesley.
2. This book covers key principles in software engineering, including system design, requirements gathering, testing, and maintenance. It offers a structured approach to building large-scale applications like the vehicle theft complaint system.
3. Pressman, R. S., & Maxim, B. R. (2014). *Software Engineering: A Practitioner's Approach* (8th ed.). McGraw-Hill.

4. National Insurance Crime Bureau (NICB). (2023). "Stolen Vehicle Recovery Programs". [NICB](#)
5. National Vehicle Theft Information System (NTIS), India. (2023). Ministry of Road Transport & Highways. [India.gov.in](#)
6. Police National Computer (PNC), UK. (2022). National Crime Agency, [NCA.gov.uk](#)
7. Blockchain for Vehicle Theft Tracking. (2022). Journal of Emerging Technologies. [Journal of Transportation Security](#)
8. Artificial Intelligence in Crime Prevention. (2021). IEEE Transactions on Artificial Intelligence. [IEEE Xplore](#)

BIBLIOGRAPHY



I am V.MADHUMITHA I am currently in my 7th semester of computer Science in the Bachelor's Degree at Balaji Institute of Technology and Science. My research interest is done based on "VEHICLE THEFT ONLINE COMPLAINT APPLICATION SYSTEM".



I am M.ISHU. I am currently in my 7th semester of computer Science in the Bachelor's Degree at Balaji Institute of Technology and Science. My research interest is done based on "VEHICLE THEFT ONLINE COMPLAINT APPLICATION SYSTEM",



I am B.SIMHADRI. I am currently in my 7th semester of Computer Science in the Bachelor's Degree at Balaji Institute of Technology and Science. My research interest is done based on "VEHICLE THEFT ONLINE COMPLAINT APPLICATION SYSTEM".



I am M.NIKHIL. I am currently in my 7th semester of Computer Science in the Bachelor's Degree at Balaji Institute of Technology and Science. My research interest is done based on "VEHICLE THEFT ONLINE COMPLAINT APPLICATION SYSTEM".