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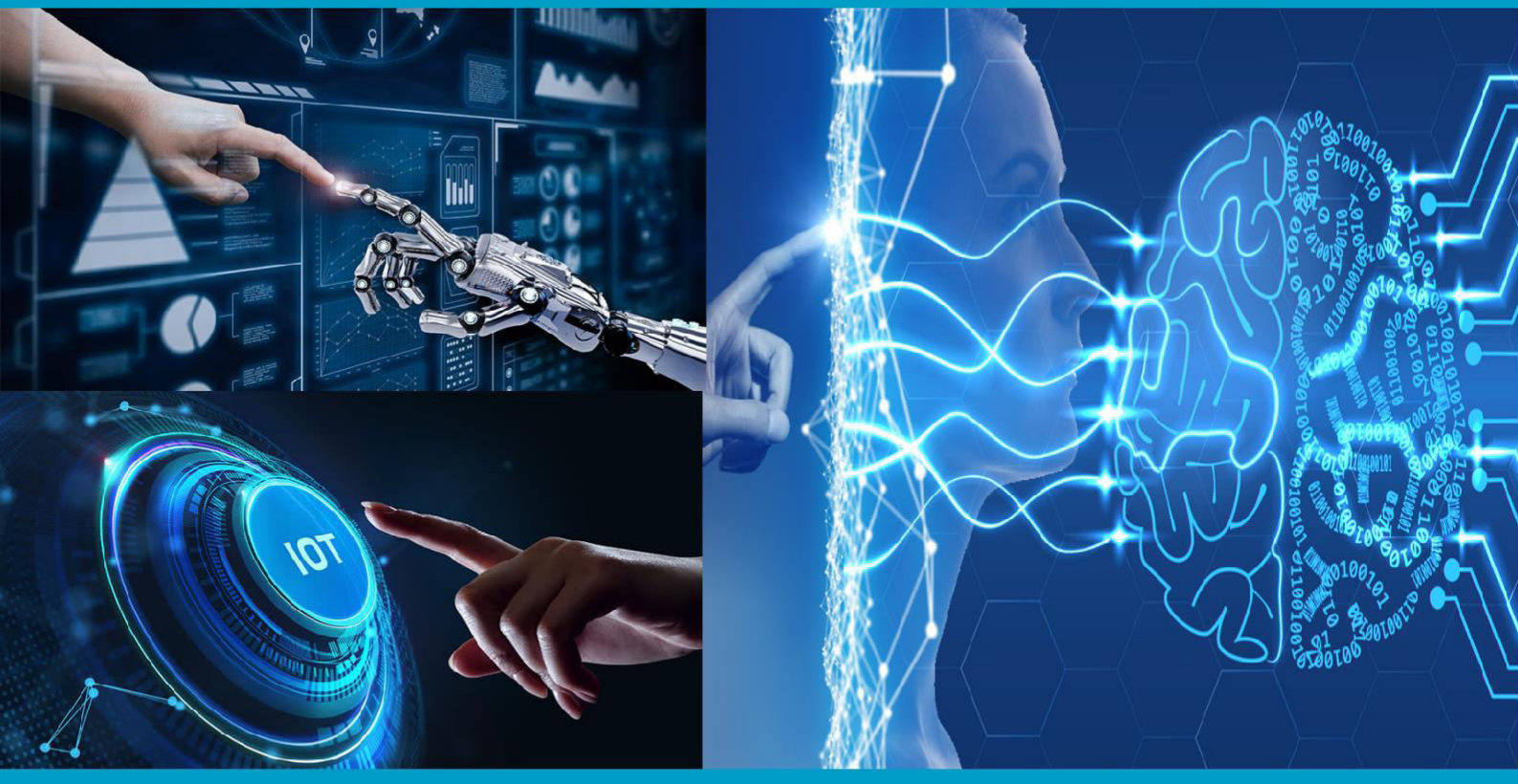

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CRIME MAPPING

Mangesh Dixit, Yash Talgaonkar, Kaustubh Nalawade, Gauri Bobade

Diploma Student, Dept. Information Technology (IF), Vidyalankar Polytechnic, Mumbai, India

Diploma Student, Dept. Information Technology (IF), Vidyalankar Polytechnic, Mumbai, India

Diploma Student, Dept. Information Technology (IF), Vidyalankar Polytechnic, Mumbai, India

Project Guide, Dept. Information Technology (IF), Vidyalankar Polytechnic, Mumbai, India

ABSTRACT: With the help of a revolutionary web tool called CrimeMapping , law enforcement agencies will be able to more effectively trace offenders across historical records by streamlining the storage, retrieval, and cross-referencing of crime data. Through the use of cutting-edge database management techniques and its role as a single location for a variety of crime-related data, CrimeMapping guarantees safe and timely access to crucial data. Because of its advanced cross-referencing capability, detectives can quickly identify repeat offenders and perhaps connect apparently unconnected instances by quickly matching individuals involved in current criminal activity with their past records. Additionally, CrimeMapping provides agencies with customisable analytics tools to visualize demographic data, regional patterns, and crime trends. These tools help agencies make strategic resource allocation decisions and carry out focused intervention tactics. CrimeMapping facilitates easy information sharing and collaboration through its user-friendly interface and collaborative capabilities.

KEYWORDS: Crime data, Law enforcement agencies, Information sharing, Crime prevention.

I. INTRODUCTION

The effective management and usage of crime-related data are critical difficulties in the modern law enforcement scene, where the details of crime are always changing. The introduction of CrimeMapping into law enforcement agencies' technical toolkit is a major advancement in response to this critical need. With the help of this cutting-edge online tool, crime data can be stored, retrieved, and cross-referenced with ease. This gives detectives the unmatched ability to quickly and precisely track criminals throughout historical records. CrimeMapping provides secure and timely access to critical information through centralized repository functions and smart database management techniques. This enables well-informed decision-making and preventative measures. Additionally, with its adaptable analytics capabilities for displaying regional patterns and crime trends, Agencies may use focused approaches to crime prevention and effectively manage resources thanks to CrimeMapping. CrimeMapping facilitates easy information sharing and coordination between law enforcement agencies by means of its user-friendly interface and collaborative capabilities. This establishes the groundwork for a collaborative effort aimed at enhancing public safety and efficiently countering criminal activity. The foundation for a thorough investigation of CrimeMapping revolutionary potential in the field of crime data administration and analysis is laid out in this introduction.

II. RELATED WORK

CrimeMapping is an innovative web application that is revolutionizing the way law enforcement agencies handle and use crime-related data in the field of crime data administration and analysis. Detectives are enabled to track criminals throughout historical records with efficiency thanks to its efficient method of storing, accessing, and cross-referencing crime data. Through the use of advanced database management techniques and acting as one central location for a variety of crime-related data, CrimeMapping guarantees safe and prompt access to vital information. Because of its sophisticated cross-referencing capability, detectives can quickly identify repeat offenders and perhaps connect apparently unconnected instances by quickly matching individuals involved in current criminal activity with their past records.

Moreover, CrimeMapping provides agencies with customisable analytics tools to visualize demographic data, geographic patterns, and crime trends. These tools enable agencies to make smart resource allocation decisions and carry out targeted enforcement tactics. CrimeMapping facilitates easy information exchange and coordination between law enforcement agencies by means of its user-friendly interface and collaborative capabilities. This, in turn, promotes

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a collaborative effort aimed at improving public safety and effectively combating crime. This gives law enforcement professionals essential tools and insights to better handle crime concerns.

III. METHODOLOGY

The systematic method used in the development of CrimeMapping is intended to meet the many requirements that law enforcement agencies have when it comes to the management and analysis of crime data. The process starts with a comprehensive requirement analysis phase, during which users' input is gathered to determine the application's scope and features. After that, a careful database architecture is created to guarantee that various crime-related data is organized and stored effectively. Coding and implementation are part of the development phase. Advanced features like comparing algorithms and configurable analytics tools are integrated.

IV. EXPERIMENTAL RESULTS

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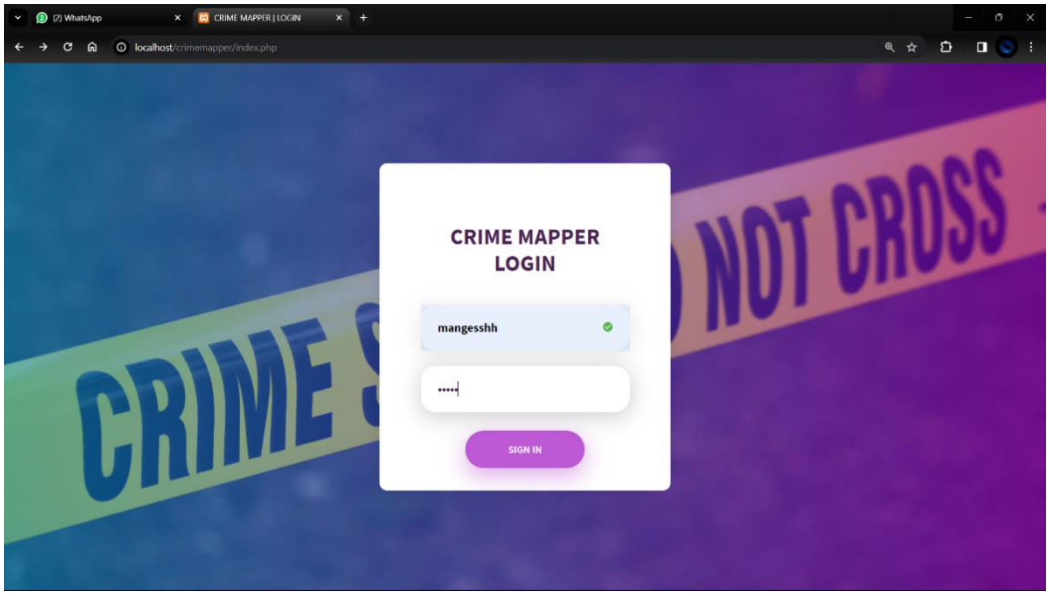

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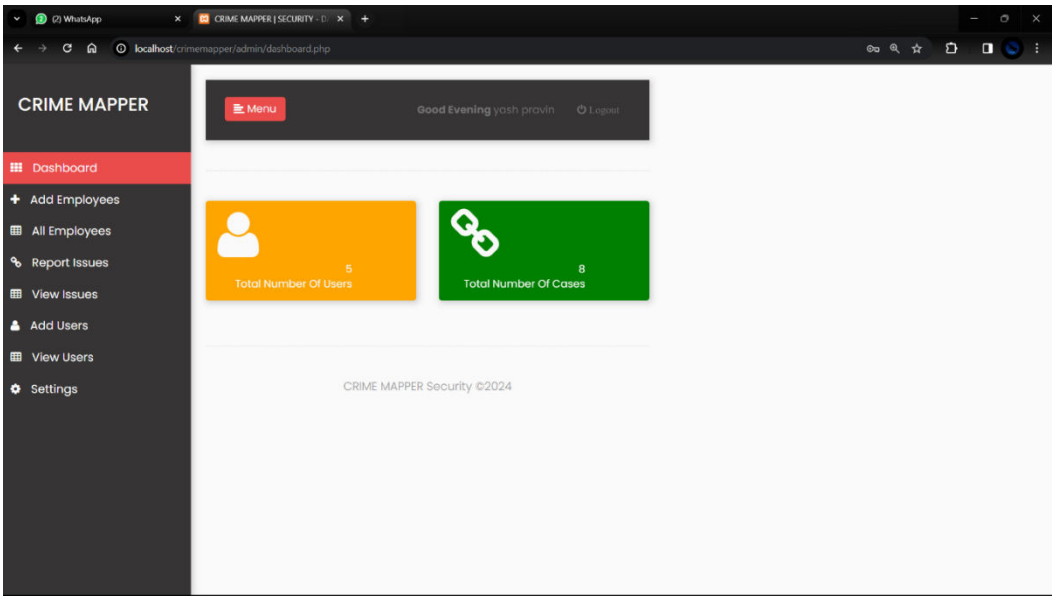

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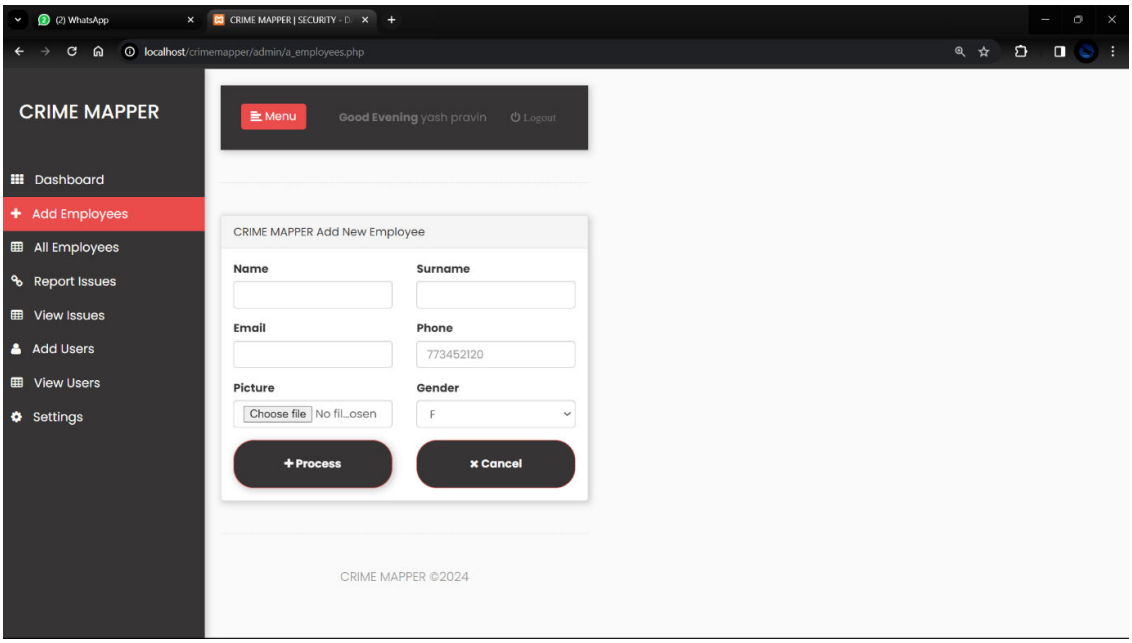

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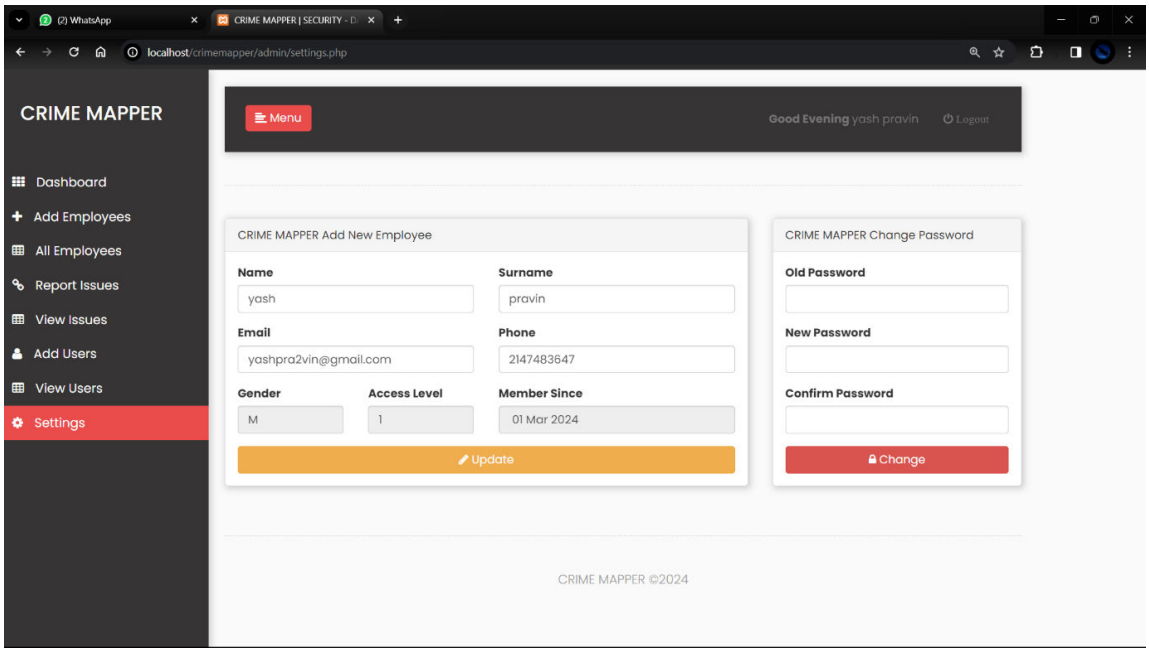

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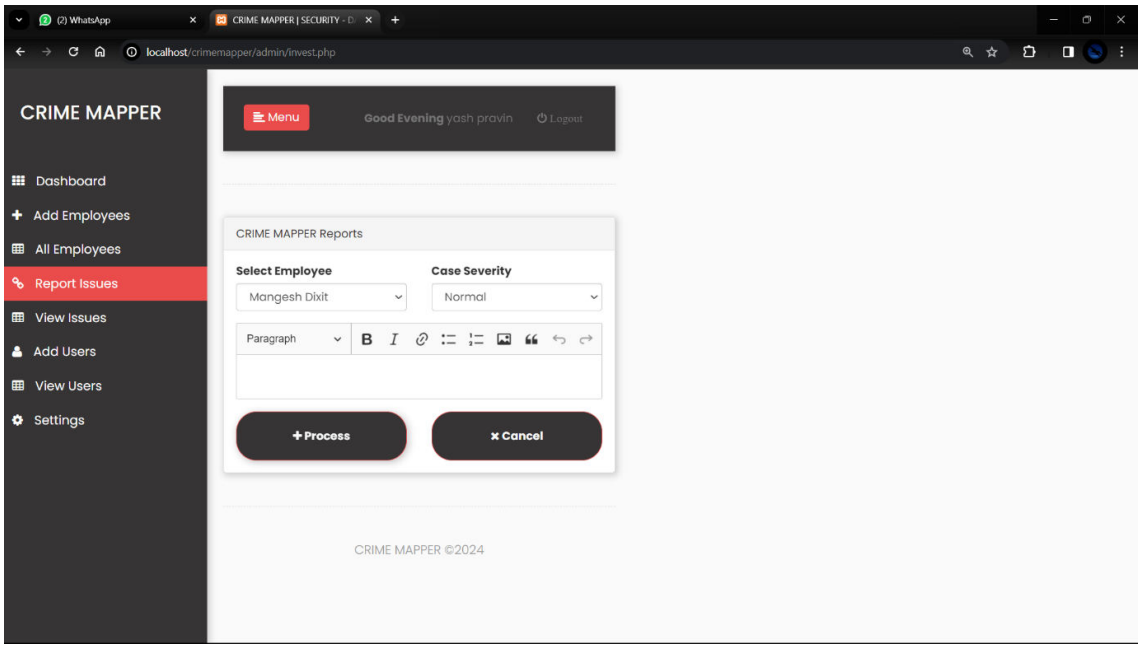

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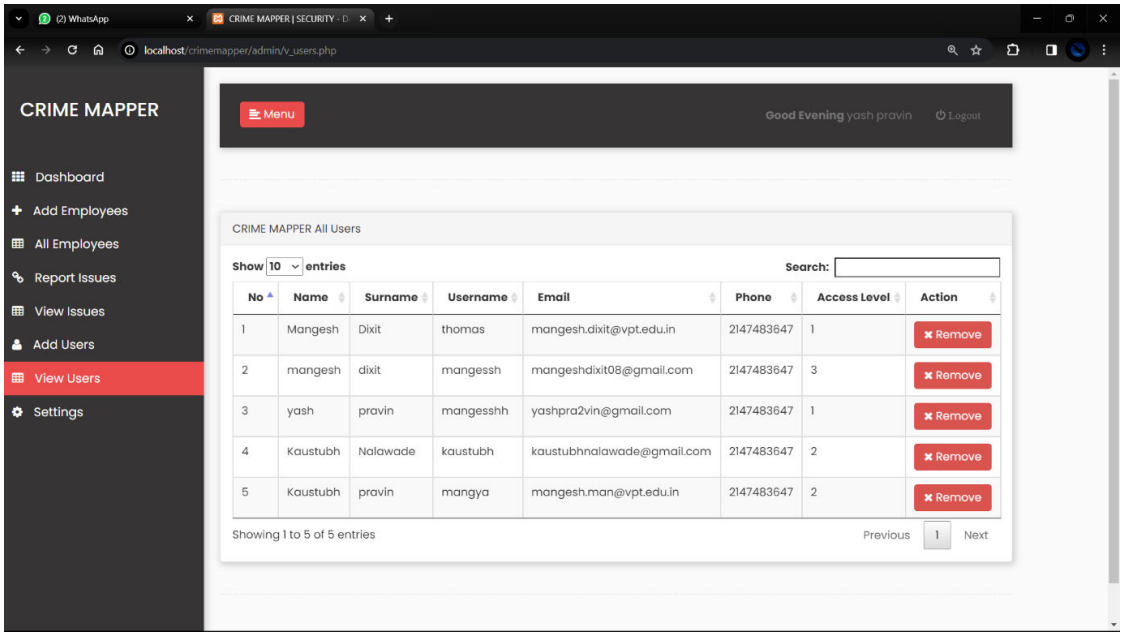

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V. CONCLUSION

In conclusion, creating a crime mapper record web app offers valuable benefits such as identifying crime hotspots and fostering community engagement. However, it's crucial to address concerns regarding data privacy, security, and accuracy to ensure its effectiveness and status. Creating a crime mapper record web app could be a valuable tool for both law enforcement agencies and communities. By providing a visual representation of crime data, such an app could help identify crime hotspots, patterns, and trends, aiding in resource allocation and strategic planning for crime prevention and response efforts.

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+91 99405 72462 +91 63819 07438 ijmrsetm@gmail.com