Her Digitial Sheild – A Women Safety and Cybercrime Control Website

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ABSTRACT: Designing an effective system for women's safety is essential for reducing crimes against women and prosecuting the guilty. Women harassment at workplace, public transport etc., has been a rising concern all over the world. An early action and proper mechanism could reduce the number of crimes against women. The emphasis is on a security system that will help provide women with security and safety. The proposed system instantly detects and passes the location of the casualty to respective people with a button click and simultaneously clicks images of the incident and sends it via email. Along with this a standalone application has also been developed which can be used by the victim depending on situations. Use of GPS and GSM module helps fetching the location. It can be used by women when they are in an unfavorable situation. Various fields and possibilities like embedded systems, internet of things, mobile applications, wearable jackets, and bands have been explored to bring in more reliable and swift systems to improvise the safety of women, but each come with its own limitation.

KEYWORDS: Website, women safety

I. INTRODUCTION

In an era defined by rapid technological advancement and digital interconnectedness, the empowerment of women and the protection of their safety in online spaces are paramount concerns. The ubiquity of the internet has transformed the way we live, work, and communicate, offering unprecedented opportunities for connection, innovation, and progress. However, alongside these benefits come significant challenges, particularly for women who are disproportionately targeted by cybercrimes and online harassment.

The Her Digital Shield project emerges as a beacon of hope and resilience in the face of these challenges, offering a comprehensive solution to address the pressing issues of women's safety and cybercrime control. With a steadfast commitment to empowerment, education, and advocacy, Her Digital Shield aims to create a safer and more inclusive online environment where every woman can thrive free from fear and exploitation. This report serves as a comprehensive exploration of the Her Digital Shield project, its objectives, findings, and recommendations.

By amplifying the voices of survivors, challenging harmful stereotypes, and advocating for systemic change, Her Digital Shield seeks to catalyze a cultural shift towards greater accountability, empathy, and respect in online interactions. As we embark on this journey together, let us reaffirm our commitment to building a world where every woman can navigate the digital landscape safely and confidently, knowing that her voice matters, her rights are protected, and her dignity is upheld.
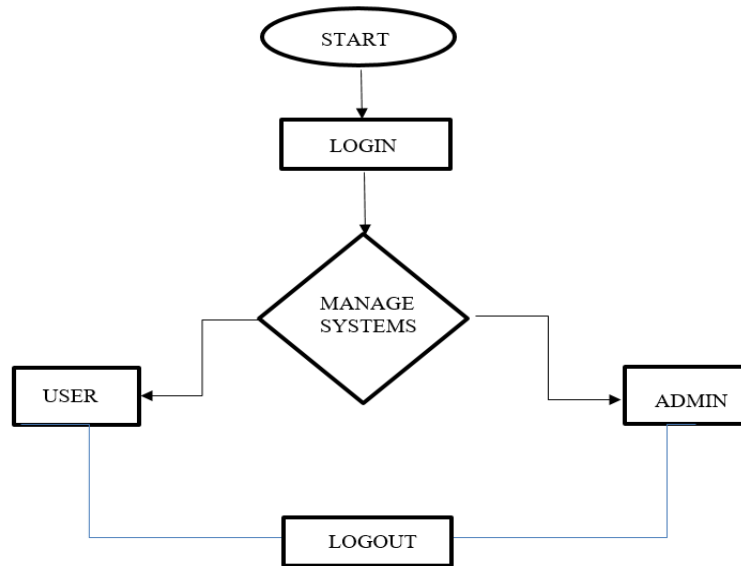
Figure 1: HER DIGITAL SHEILD – WORKING

This paper presents the Her Digital Shield project, a comprehensive initiative aimed at empowering women and promoting their safety, security, and well-being in online spaces. The project encompasses the development and implementation of an online platform that serves as a central hub for resources, support services, and educational content related to women's digital safety.

II. LITERATURE REVIEW

literature review for Her Digital Shield- A women safety and cybercrime control website

Sutar Megha et al [1] , The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 is a legislative act in India that seeks to protect women from sexual harassment at their place of work. Today women are playing an important role as a president, prime minister, speaker of the Lok Sabha and even in the field of aeronautics, military, IPS, IAS, etc. Even today women have achieved top positions in job and society, yet they are facing problems such as physical harassment and the sexual assault.

Anup CJ et al [2] , The amount of violence against women has increased by many folds due to the greater exposure of women in every field of life. Women were previously restricted to the four walls of the houses and after globalization, they have got the chances and opportunities to stand equally in all sectors at compare with male. Women are now a day's cab drivers and they are also the CEO of top companies. It is a good sign that the patriarchal mindset of the society has changed to some extent but not to the extent it was supposed to.

Shreyaasha chaudury et al [3] , Safety of Women in India has become a major issue in India now. The crime rates against women in the country have only risen to a great extent. Women think twice before stepping out of their homes, especially at night. This is, unfortunately, the sad reality of our country that lives in constant fear. Women in India have been given equal rights as men; however, people do not follow this rule.

Snehal Lokesh et al [4] , Violence against women and girls does not discriminate by race, religion, culture, class or country. Worldwide, one in three women have experienced either physical and/or sexual violence, and more than 15 million girls aged 15-19 years have experienced rape. Conflict and displacement only heighten the problem. As girls and women lose their support systems and homes, are placed in insecure environments and in new roles, their risk of gender-based violence (GBV), including sexual violence, intimate partner violence and child abuse increases day by day. Areas like streets, public spaces, public transport, etc. have been the territory of women hunters.
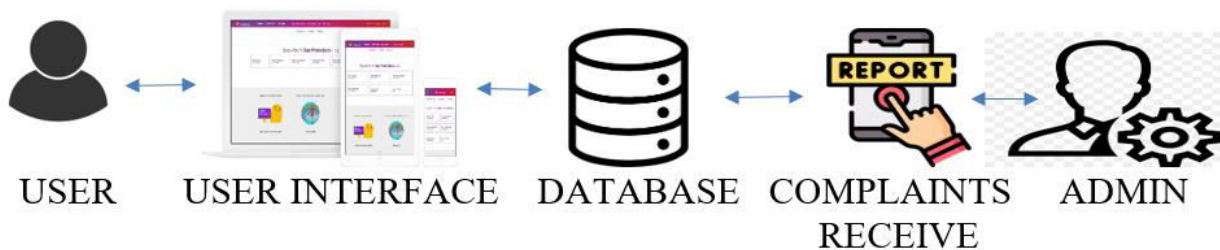
Swati Sharma et al [5], safety for women become a matter of concern with the violence against the women will increases, in this system the GPS tracking and messaging system plays an important role. When women are going to travel somewhere for long distances at nighttime the GPS used as a GPRS location while travelling in the cab would be accessible and simultaneously her location will be immediately sent to their relative for their rescue.

III. OBJECTIVES

The objective of this research paper is to illuminate the Her Digital Shield project as a comprehensive initiative geared towards addressing the safety, security, and overall well-being of women in the digital era. It endeavors to shed light on the myriad challenges and threats women encounter in online spaces, encompassing cyberbullying, harassment, revenge porn, and financial fraud. Through this paper, we aim to elucidate the scope and objectives of the Her Digital Shield endeavor, elucidating its commitment to empowering women and fostering their digital safety through the development and deployment of an online platform. Furthermore, we endeavor to detail the methodology and approach adopted in the conceptualization and implementation of the Her Digital Shield project, emphasizing collaborative efforts with stakeholders and the creation of resources and support services. By presenting the key outcomes and impacts of this initiative, we seek to underscore its significance in advancing the cause of women's safety and empowerment in the digital landscape.

IV. SYSTEM ARCHITECTURE AND DATA MODEL

1. User: User goes to home page of the domain. If he/she has an account then he/she can login to the website otherwise he/she need to register an account after successful registration, they can login in home page.
2. User Interface: In the user interface, a user can find various options in the menu bar like Quick tips, helpline, report, chatbot, community. User can access all the options and use the tools as per their need.
3.Database: Through this website, user may report a complain from their computers, tablets, and cellphones. This registered complains are stored in the database. The users and admin registered accounts will also be stored with their details.
4.Complaints Receive: The Complaints Receive module handles the receipt and processing of complaints submitted by users. Complaint Submission Form Offers users a user-friendly form to submit complaints, including details such as description, category, and attachment of evidence. Complaint Validation Validates user input to ensure completeness and accuracy before processing. Complaint Logging Logs submitted complaints in the database, assigning unique identifiers and timestamps for tracking and reference
5. Admin: The Admin Module of the Her Digital Shield platform is responsible for handling user complaints and managing system settings. Through secure authentication mechanisms, administrators gain access to administrative functionalities by logging in with their credentials. Once authenticated, administrators can efficiently receive, review, and address complaints submitted by users. This module streamlines complaint management processes, ensuring timely resolution and effective communication with users.

V. RESULT AND CONCLUSION

Results: The implementation of the Her Digital Shield project has resulted in tangible outcomes and impacts in addressing the safety, security, and well-being of women in the digital age. Through the development and deployment of an online platform, the project has provided women with access to comprehensive resources, support services, and educational materials related to digital safety.

Users have been able to register accounts, submit complaints, access educational content, and receive assistance from trained professionals. The administrative interface has facilitated the efficient management and resolution of user complaints, ensuring timely responses and actions.

Additionally, the project has raised awareness about the prevalence and impact of digital violence against women, fostering a culture of empathy, solidarity, and empowerment in online spaces. By leveraging partnerships with stakeholders and engaging in advocacy efforts, the project has contributed to advancing legal protections and policies to address these issues effectively. Overall, the Her Digital Shield project has made significant strides in empowering women and promoting their safety in the digital realm.

In conclusion, the Her Digital Shield project represents a critical step forward in addressing the safety, security, and well-being of women in the digital age. Through its comprehensive approach encompassing technology, education, advocacy, and community engagement, the project has provided women with the tools and resources they need to navigate online spaces safely and confidently. By leveraging partnerships and mobilizing resources, the project has amplified the voices of survivors, challenged harmful norms and behaviors, and advocated for systemic change.

While significant progress has been made, challenges persist, and ongoing efforts are needed to sustain and expand the impact of the project. Moving forward, continued collaboration, innovation, and commitment from all stakeholders will be essential in realizing the vision of a safer, more inclusive online environment where every woman can thrive free from fear and exploitation. The Her Digital Shield project serves as a beacon of hope and inspiration, demonstrating the power of collective action and solidarity in creating positive change in the digital landscape.

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