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Compassionate Veterinary Care Platform

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***Abstract:** This paper proposes a digital appointment booking system for pet clinics, aimed at enhancing convenience and efficiency. Through the system's user-friendly interface, pet owners can easily schedule appointments for their beloved friends. Users can choose desired time slots, see which veterinarians are available, and indicate if they are there for an emergency consultation, vaccine, or routine check-up. The system also makes it possible for clinic employees to effectively manage appointments, which lowers wait times and improves efficiency.*

I. INTRODUCTION

Metadata refers to the descriptive information about data, such as the date it was created, the author, location, and format. In today's digital age, metadata has become an integral part of data management, allowing organizations to efficiently organize, search, and retrieve data. However, metadata also raises privacy concerns, as it can reveal sensitive information about individuals and organizations. One of the primary privacy issues with metadata is that it can be used to track an individual's online activities. For instance, metadata embedded in emails can reveal the sender's location, device information, and online activity. Similarly, metadata in social media posts can reveal personal information, such as an individual's interests, relationships, and location.

II. RELATED WORK

In 2020 [1] Yixing Chen, Maher Elshakankiri implemented an IoT-based Pet Care System represents a novel approach to revolutionizing the monitoring and management of animal health through the integration of Internet of Things (IoT) technology.This paper explores the design, development, and deployment of a comprehensive IoT solution tailored specifically for the needs of pet owners and veterinary professionals. By leveraging sensor devices, data analytics, and real-time communication capabilities, the IoT-based Pet Care System enables remote monitoring of pet health metrics, early detection of potential health issues, and proactive intervention to optimize animal welfare. This paper highlights the key components, functionalities, and benefits of the IoT-based Pet Care System, offering insights into its potential applications, challenges, and future directions in advancing the field of veterinary medicine and pet care. In 2021[2] Aditya Antony lambert, Gowtham JK, Dr.Prasadh and Harikrishnan created Design and Implementation of a Pet care and tracking system. This paper presents a comprehensive approach to improving pet safety and well-being through the integration of advanced tracking and monitoring technologies. This paper outlines the design considerations, system architecture, and implementation details of a pet care and tracking system aimed at providing pet owners with real-time visibility into their pet whereabouts and activities. By leveraging GPS tracking, activity monitoring, and environmental sensing capabilities, the system enables proactive management of pet health and safety, fostering a closer bond between pets and their caregivers. This paper highlights the key features, functionalities, and benefits of the pet care and tracking system, offering insights into its potential applications, challenges, and future directions in the field of pet care and management.

III. PROPOSED WORK

With a seamless and effective solution for pet owners and clinic employees alike, the proposed online appointment system for pet care clinics seeks to completely transform the way appointments are arranged and managed. Pet owners will have the ease of booking appointments whenever and wherever they choose, without requiring phone calls or in-person visits, thanks to an easy-to-use web or mobile application. With the system's real-time appointment slot availability, pet owners will be able to easily select the day and time that work best for them.

A. Modules

1) Admin

a) Login- the admin can login in the system using his/her username and password.
b) View Hospital Details- the admin can view the hospital details like hospital name, id, address, mobile number details etc.
c) View User Details- the admin can view the user details like user name, id, address, mobile, address, location etc.

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2) Hospital

a) Register - There is registration form available where new hospital can create their account by providing required information to the system. The registration form details are like name, email, gender, mobile number, address, and etc. These details are stored in the database. And then can getting to the username and password in the system.
b) Login - the hospital can login in the system using his/her username and password.
c) View Booking - the doctor can view the booking details in the system. The booking details are such as user name, Appointment time, date etc. These details are stored in the system.
d) Accept/ Reject - the doctor can accept/ reject the user request through this application.
e) Add Food Details - the hospital can add the pet food details like food name, id, price, description details.
f) View Query - the hospital can view the user query details through this application.
g) Post Answer - the hospital can post the answer to this application.

3) User

a) Register - There is registration form available where new user can create their account by providing required information to the system. The registration form details are like name, email, gender, mobile number, address, and etc. These details are stored in the database. And then can getting to the username and password in the system.
b) Login - the user can login in the system using his/her username and password.
c) Appointment Booking - the patient can view the booking details like doctor name, date, time etc.
d) Payment - This module used to make payment. This module contains user's card details like name, card no, amount etc.
e) Post Query - the user can post the query to this application.
f) View Answer - The user can view the answer through this application updated by the hospital.

IV. SYSTEM ARCHITECTURE

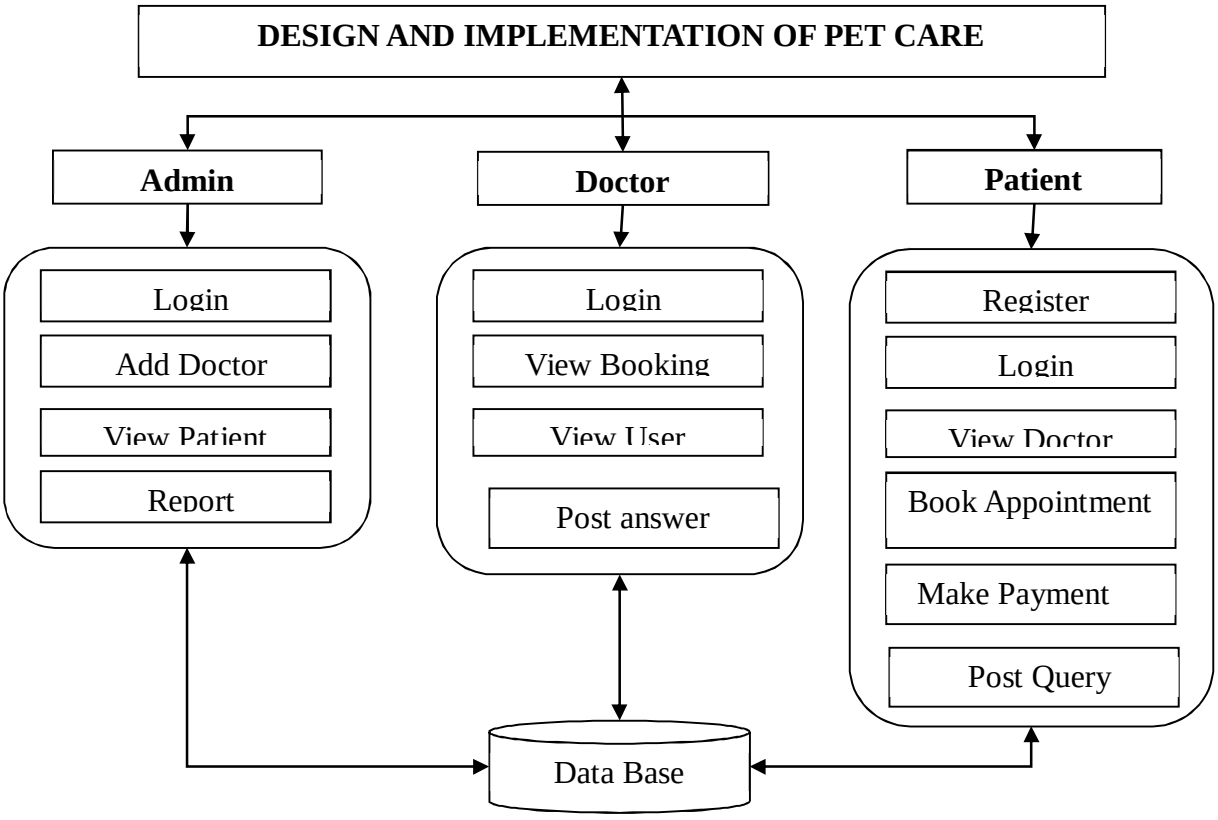


Fig 1: System Architecture

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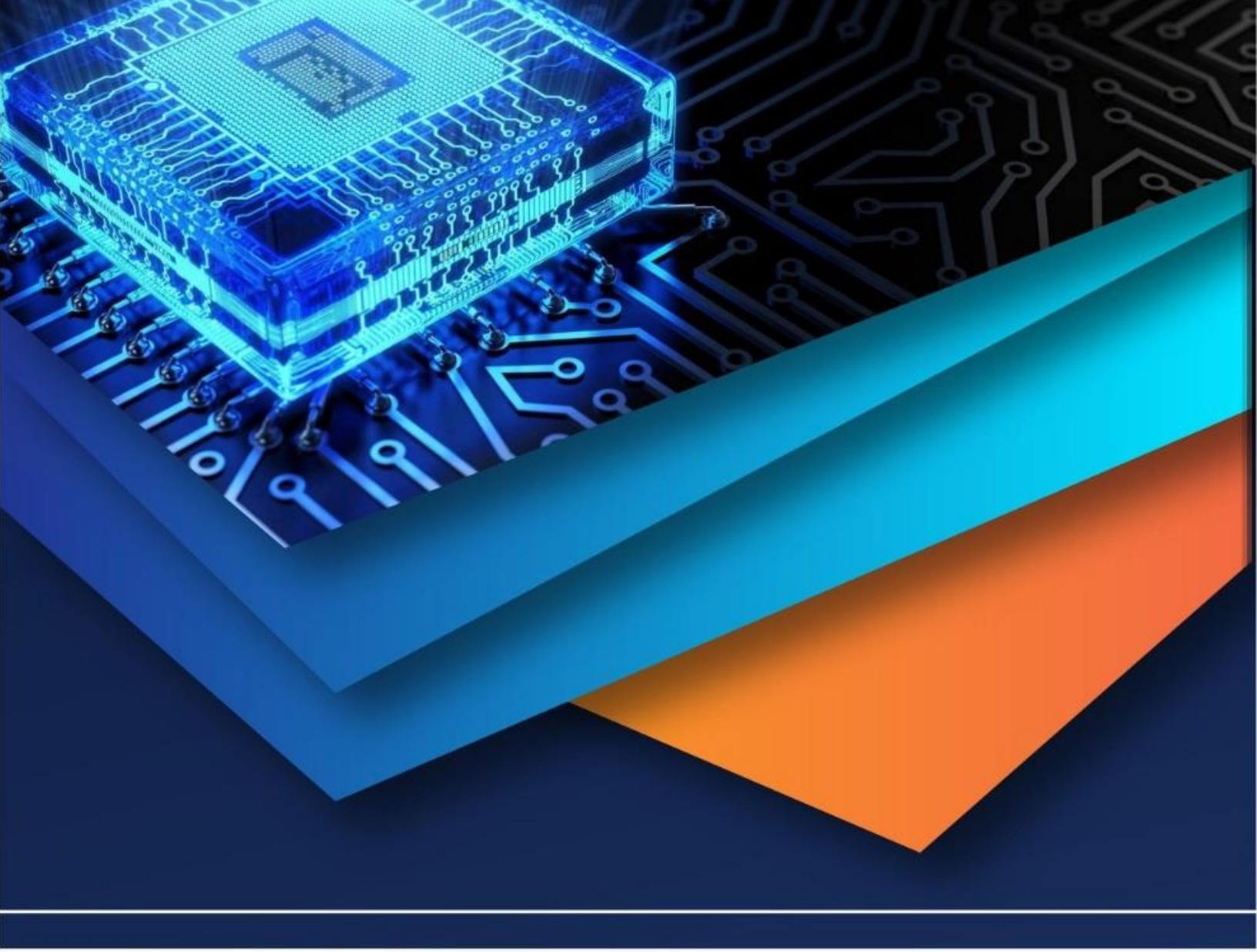
V. CONCLUSION

With the development of mobile based scheduling medical appointment booking system, patients are able to book and manage their own appointment with ease. The system itself also provides a quick view of their appointment at the Home page.These functions could indirectly help to reduce the number of missed medical appointments and patients no-show up for their appointment.

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