



Synopsis for Pet Authentication and Welfare System (PAWS)

Prepared by,

KR Rakshith(PES1UG22CS265), Karthik H Kademani(PES1UG22CS277)

E section, Dept. of CSE, PES University

Introduction:

The Pet Authentication and Welfare System (PAWS) is an innovative software solution designed to enhance the management and welfare of pets. This system is inspired by the Aadhar system, which uniquely identifies citizens in India, and aims to apply a similar approach to the domain of pet care. By assigning each pet a unique identification number (Pet ID), PAWS ensures that all essential information related to a pet is easily accessible and manageable.

Project Objectives:

The primary objective of PAWS is to create a centralized database that stores and manages comprehensive data about pets. This includes registration details, medical history, vaccination records, ownership information, and more. The system aims to streamline various processes associated with pet management, from veterinary care to adoption, and ensure that pet welfare is handled with the utmost care and accuracy.

Key Features:

1. Pet Registration and Identification:

- Assigns a unique Pet ID to each registered pet.
- Stores vital details such as Animal species, breed, gender, colour, and microchip ID.

2. Owner Management:

- Maintains a database of pet owners, linked to their registered pets.
- Includes owner details like name, address, contact information, and national ID (AADHAR or any other national ID) number.

3. Medical Records and Vaccination Tracking:

- Stores and manages the complete medical history of each pet.
- Tracks vaccination schedules and reminders.

4. Veterinary Integration:

- Allows veterinarians to update pet records.
- Enables tracking of services provided, ensuring continuity in pet care.

5. Adoption and Transfer of Ownership:

- Facilitates the process of pet adoption and tracks the transfer of ownership.
- Maintains a record of previous and current owners for each pet.

6. Pet Activity Logging:

- Logs activities related to pets, such as grooming sessions, vet visits, and exercise routines.
- Provides insights into the overall well-being of pets.

7. Insurance Management:

- Stores details of pet insurance policies.
- Tracks claims and policy renewals, ensuring pets are adequately covered.

Target Audience:

PAWS is designed for use by a wide range of stakeholders involved in pet care and management, including pet owners, veterinarians, pet adoption agencies, and grooming centres. The system aims to provide a seamless and secure platform for managing pet-related information, ensuring that pets receive the best possible care throughout their lives.

Scope of the Project:

PAWS will be developed as a web-based application, with a user-friendly interface that allows easy access to pet information. The system will be built using a relational database management system (RDBMS), with strong emphasis on data security, accuracy, and accessibility. The project will cover the entire software development lifecycle, from requirements gathering and design to implementation, testing, and deployment.