**Web and Mobile Based Pet Vaccine Monitoring System**

**Project Context**

Nowadays, technology assists people in completing their work and daily activities. Technological improvements enable people to complete things more easily and conveniently. Vaccinations help to keep numerous pet ailments at bay. Vaccinations can help people avoid expensive treatments for diseases that can be avoided. Vaccinations protect against diseases that can be transmitted between animals as well as from animals to humans. Certain pet diseases, such as rabies and leptospirosis, can be transmitted to people and cause serious illness. As a result, by immunizing your pet against certain diseases, you are not only protecting him or her, but also your family members. Thus, monitoring pet vaccination is extremely important. To fill in this gap, the researchers of the study proposed the development of the capstone project entitled "Web and Mobile based Pet Vaccine Monitoring System". The said project is designed for pet owners. The concept would help pet owners keep track of their pets' vaccinations. Getting pets vaccinated is another approach to keep pets fit and healthy and away from infections. The application's implementation will greatly assist pet owners. The app will assist pet owners in keeping their pets fit and healthy despite their hectic schedules by monitoring their vaccinations. They can conveniently take care of their pets' health while also saving time. The application is a very powerful and user-friendly solution for assisting pet owners with ease.

**Objectives of the Study**

**General Objectives -** the project's general objective is to design and develop a system that will electronically facilitate the process of monitoring pet vaccines.

**Specific Objectives:**

1. To design a system that will streamline the process of recording vaccines received by the pet.
2. The system will be used in monitoring pet vaccines received by pets.
3. The system will enable pet owners to make sure that their pets are fully vaccinated.
4. To develop a database system that will store all vaccine and vaccination-related information of pets.
5. The system will make all vaccine-related transactions easy, fast and convenient for pet owners and vet shops.

**Significance of the Study**

The success of the project will benefit the following individuals or groups:

**Pet Owners**. Pet owners will greatly benefit from this endeavour. The application will greatly assist them in meeting their pet's immunization requirements. They will have an easily accessible tool to help them keep track of their pet's vaccines.

**Researchers**. The study's researchers will profit from the study's success by gaining greater experience, knowledge, and abilities in building helpful programs.

**Future Researchers**. They might utilize the study as a starting point for designing their own version of Web and Mobile Based Pet Vaccine Monitoring.

A vital component of preventive pet healthcare is vaccinations. They safeguard animals from a variety of dangerous illnesses that could be fatal, like rabies, parvovirus, and distemper. Pet owners may assist to keep their animals healthy and lower the danger of disease outbreaks by making sure their pets receive the proper vaccines at the appropriate intervals.

The Pet Vaccine Monitoring System (PVMS) is a tool that helps pet owners keep track of their animals' vaccination schedules and ensure that they receive the necessary vaccines in a timely manner. The PVMS sends automatic reminders when pets are due for vaccination, allowing pet owners to stay on top of their animals' healthcare needs.

**Features of the Project**

The Pet Vaccine Monitoring System (PVMS) is a comprehensive tool designed to assist pet owners in keeping track of their animals' vaccination schedules. The PVMS offers the following features:

**Automatic reminder system**: The PVMS sends email or text message reminders to pet owners when their animals are due for vaccination. This ensures that pet owners do not forget to vaccinate their animals and helps to ensure that pets are protected against preventable diseases.

**Customizable vaccination schedules**: PVMS allows pet owners to customize vaccination schedules based on the specific needs of their animals. This feature is particularly useful for pets with underlying health conditions that may require modified vaccination schedules.

**Record keeping**: PVMS maintains a complete record of all vaccinations administered to an animal, including the date, type of vaccine, and any relevant notes or comments. This information can be accessed by pet owners at any time and is useful for keeping track of an animal's vaccination history.

**Integration with veterinary practices**: PVMS can be integrated with veterinary practices, allowing veterinarians to easily access and update an animal's vaccination records. This feature helps to ensure that pets receive the appropriate vaccines at the appropriate intervals and can be particularly useful for pets that see multiple veterinarians.

### Conclusion

The study was carried out to evaluate the existing approach used by pet owners to keep track of their pet's immunization. The researchers discovered that pet owners have difficulty monitoring their pets' vaccination sessions. In response, the researchers created a Web and Mobile Pet Vaccine Monitoring System. The app will be created in a web and mobile platform that pet owners can utilize. The study's findings revealed that the produced application is an effective tool that meets the demands and requirements of the intended users.

Based on the findings of the study, the researchers determined that the application is an effective tool. The program is reliable for tracking pet vaccination sessions. The owners may conveniently care for their pets' health while also saving time.

### Recommendations

The study's findings lead the researchers to urge that the app be implemented. The new program can considerably assist pet owners in keeping their pets healthy despite their hectic lifestyles. The application is highly recommended due to the efficiency and dependability it may provide to the intended consumers. To fully use the application, the researchers strongly advise that intended users understand its features and how it works.

The researchers specifically recommend the following:

1. The researchers highly recommended that pet owners should install the application to assist them in monitoring their pet's vaccine.
2. The implementation of the system is highly recommended since it can offer a lot of convenience in keeping records of the pet's vaccine.
3. The application will enable taking care of pet's health easily and conveniently.

**Summary**

The "Web and Mobile-based Pet Vaccine Monitoring System" was created for pet owners. The concept would help pet owners keep track of their pets' vaccinations. Getting pets vaccinated is another approach to keep pets fit and healthy and away from infections. The application's implementation will greatly assist pet owners. Based on the findings of the study, the researchers determined that the application is an effective tool. The program is reliable for tracking pet vaccination sessions. The owners may conveniently care for their pets' health while also saving time. The new program can considerably assist pet owners in keeping their pets healthy despite their hectic lifestyles. The application is highly recommended for its efficiency and reliability that can be rendered to the intended users. Overall, the Pet Vaccine Monitoring System is a valuable tool that helps pet owners ensures that their animals are properly protected against preventable diseases. Its automatic reminder system, customizable vaccination schedules, and record keeping capabilities make it an essential resource for responsible pet ownership.