

Project Report Template

Title of Project: Veterinary AI

Name of the Innovator: Tejas Sagar K

Start Date: 13-10-2025

End Date: 17-10-2025

Day 1: Empathise & Define

Step 1: Understanding the Need

- Which problem am I trying to solve?

I'm solving the problem of limited access to veterinary care and awareness among rural communities. Many farmers and pet owners in these areas struggle to find timely veterinary support, reliable information, and affordable treatment options. My platform connects them with nearby veterinarians, provides guidance on animal health and disease prevention, and leverages technology to improve livestock management and pet care.

Step 2: What is the problem?

The problem is that farmers and pet owners in rural areas don't have proper access to veterinary care, animal health information, and disease prevention services. They often lack awareness about common livestock diseases, vaccination schedules, and modern animal management practices, which leads to poor animal health, lower productivity, and financial losses.

Why is this problem important to solve?

This problem is important to solve because healthy livestock and animals are vital for the livelihoods of rural communities. By improving access to veterinary care, disease awareness, and animal management knowledge, we can reduce livestock losses, increase productivity, and improve the income of farmers. Solving this issue not only supports animal welfare but also strengthens rural economies and enhances the well-being of entire communities. **Take-home task**

Ask 2-3 people what they think about the project:

- **1. Farmer (Livestock Owner):**

“I think this app is really useful because we often don’t know what to do when our animals get sick or which medicines to use. If the app can guide us and connect us with nearby veterinarians, it will really help farmers like me take better care of our livestock.”

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- **2. Veterinarian (Local Vet or Animal Health Worker):**

“This project can make a big difference for rural communities. Many farmers face animal health issues due to lack of timely advice and awareness. A platform like VetAI can make veterinary services and information more accessible to everyone.”

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- **3. Community Member (From a Rural Area):**

“I like this idea because it helps people in our village keep their animals healthy. Sometimes we don’t know what diseases are spreading or where to get vaccines. This app can save time, reduce losses, and guide families like ours.”

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AI Tools you can use for Step 1 and 2:

AI Tools Used:

1. Meta MGX

- Used as a no-code development tool to design and deploy the veterinary chatbot project.
- It helps create interactive web pages, user interfaces, and navigation flows without programming.
- Ideal for building features like a pet owner login page and an informative chatbot interface providing veterinary advice, pet care tips, and health information for animals.

2. ChatGPT

- Used for idea generation, content structuring, webpage content creation, and designing veterinary chatbot conversations.
- Helped in writing engaging pet care tips, health advice, and guidance for common animal issues.
- Also useful for generating FAQs, pet care trivia, and improving overall user interaction and the informational experience of the chatbot.

3. Chatbot References (Structure Design):

To design and automate the chatbot, I used Zapier for integration and workflow management.

- Zapier was used to connect different web services and automate veterinary chatbot responses without coding.
- It helped in linking the chat interface with pet health databases and triggering actions based on user inputs.
- This made the chatbot more interactive and efficient for providing pet care advice, health tips, and guidance for common animal issues

Day 2: Ideate

Step 3: Brainstorming solutions

- List **at least 5 different solutions** (wild or realistic):
- **AI Veterinary Chatbot** – A virtual assistant that provides pet care advice, answers health-related queries, and guides pet owners on common animal issues.
- **Pet Care Learning Website** – A platform to educate pet owners about nutrition, grooming, and preventive healthcare through online lessons.
- **Community Pet Awareness Workshops** – Conducting offline or online sessions in communities to raise awareness about animal health and welfare.
- **Mobile App for Pet Health Alerts** – Sends notifications about vaccinations, check-ups, and seasonal pet care tips.
- **Veterinary Mentor Program** – Connects pet owners with veterinarians or animal care experts for personalized guidance.
- **VetCare Platform** – A complete digital platform combining AI guidance, learning modules, and location-based veterinary services built using Meta MGX, designed to support and educate pet owners effectively.

Step 4: My favourite solution:

My favorite solution is VetCare, a complete digital platform designed to support and educate pet owners. It combines an AI-powered veterinary chatbot for personalized pet care guidance, learning modules for nutrition, grooming, and preventive healthcare, and location-based suggestions for nearby veterinarians, clinics, and pet services. Built using Zapier, the app is easy to access, update, and use anytime, making it a long-term, practical, and impactful solution for pet owners.

Step 5: Why am I choosing this solution?

I am choosing VetCare because it combines AI-powered pet care guidance, educational modules, and location-based veterinary services in one platform. It is easy to use, accessible anytime, and designed to empower pet owners to take informed and timely decisions for their pets' health and well-being.

AI Tools you can use for Step 3-5:

AI Tools for Step 3–5

1. Meta MGX

- Used to design and build the **VetCare platform** without coding.
- Helps create the AI veterinary chatbot, educational modules, and location-based veterinary services.

2. ChatGPT

- Helps **brainstorm solutions and generate ideas for pet care features**.
- Can **structure conversations for the AI veterinary chatbot**.
- Assists in **writing content for educational modules, FAQs, and pet care recommendations**.

3. AI Chatbot References (for design and flow)

- **Dialogflow** – Understands user intent and manages conversation flow for pet care queries.

- **IBM Watson Assistant** – Helps design structured Q&A for personalized veterinary guidance.
- **Microsoft Bot Framework** – Connects user inputs with relevant pet care recommendations and actions

4. AI Research Tools

- **Google Scholar / Research AI** – For exploring existing veterinary solutions and innovative ideas for chatbot design and implementation.
- **AI Text & Summarization Tools** – Helps summarize solutions, select the best approach, and present pet care guidance clearly.

AI Tools you can use for the take-home task:

Canva AI/CoPilot AI/Meta AI: Use these mobile-based tools to generate **images, diagrams, or visual content** for the veterinary chatbot solution they want to design.

Day 3: Prototype & Test

Step 6: Prototype – Building my first version

What will my solution look like?

- **Home Screen:** Welcomes the user and asks for basic info like **pet type, age, and health concerns**.
- **AI-Powered Veterinary Chatbot:** Chat interface where users can ask about **pet care, health advice, and preventive tips**.
- **Pet Care Learning Section:** Short modules for **nutrition, grooming, and preventive healthcare** with interactive exercises.
- **Location-Based Veterinary Services:** Map or list showing **nearby veterinarians, clinics, and pet services**.
- **Profile Dashboard:** Tracks the **pet's health records, completed learning modules, and saved recommendations**.

Design Style:

- **Simple, intuitive, and easy to navigate** for all pet owners, including first-time users. Bright and engaging visuals to make learning and exploration fun.
- **Bright and engaging visuals** to make learning about pet care enjoyable and interactive.
- **Mobile-friendly layout** for easy access on smartphones, ensuring quick help anytime, anywhere.

Prototype Tools:

- Built using **Zapier**, no coding required, with all features **interactive and testable**.

What AI tools will I need to build this?

AI Tools Needed to Build VetAI

1. **Meta MGX**

- No-code platform to design and deploy the **VetAI app**.
 - Allows building **interactive screens, chatbot interfaces, and pet care learning modules** without coding.
2. **ChatGPT (or similar LLMs)**
- Used to **generate content, conversation flows, and veterinary guidance responses**.
 - Helps **personalize pet care advice and recommendations** based on the pet's type, age, and health condition.
3. **AI Chatbot Design References**
- **Google Dialogflow / IBM Watson Assistant / Microsoft Bot Framework**
 - Used to **structure conversation logic and handle pet-related queries effectively**.
4. **AI Recommendation Tools** *(Optional but useful)*
- **For matching pet owners with nearby veterinarians, clinics, and pet services**.
 - Could use **ML-based recommendation algorithms** or existing AI APIs for personalization.
5. **AI Data Analysis Tools** *(Optional for insights)*
- **Python AI libraries (Pandas, Scikit-learn)** or AI analytics platforms.
 - Used to **analyze user interactions and improve chatbot responses and recommendations** over time.

What AI tools I finally selected to build this solution?

1. **Chat GPT**
2. **MetaMGX**
3. **Zapier**

< Build The Innovation >

<DASHBOAD OF THE TOOL>

Tool Link: <https://chatbot-for-veterinary.zapier.app/chat>

Chatbot for Veterinary treatments and appointments

Hello. This is VetAI- AI Assistant for your pets 🐱🐶. How can I help you today?

Nice to meet you. My pet Bruno is saying hello to you. Woof Woof

Chatbot for Veterinary treatments and appointments

👍 🗨️ 📅 11:02am

Hello to you and Bruno! 🐾🐶 Please give him a friendly scratch behind the ears from me! How can I assist you and Bruno today? 😊

Internal Working of tool:

Asking assistance:

Chatbot for Veterinary treatments and appointments

👍 🗨️ 📅 11:02am

Hello to you and Bruno! 🐾🐶 Please give him a friendly scratch behind the ears from me! How can I assist you and Bruno today? 😊

I would like to book an appointment for Bruno

Chatbot for Veterinary treatments and appointments

👍 🗨️ 📅 11:03am

I'd be happy to help you book an appointment for Bruno! 🐶🌟

Could you please provide a few details to get started?

- What type of appointment do you need (e.g., general check-up, vaccination, grooming)?
- Preferred date and time for the appointment?
- Any specific concerns or notes about Bruno's health or behavior?

Once I have this info, I can assist you with the booking!

Booking an appointment:

I need it for all

Chatbot for Veterinary treatments and appointments

👍 🗨 📅 11:03am

Got it! You'd like to book an appointment for Bruno that covers a general check-up, vaccinations, and grooming. 🩺 🩸 ✂️

To proceed, could you please share:

- Your preferred date and time for the appointment?
- Any specific notes about Bruno's health or grooming preferences?

This will help us schedule everything smoothly! 😊

Today at 6:30 pm

Chatbot for Veterinary treatments and appointments

👍 🗨 📅 11:03am

Thank you for the details! 📅 🐾

I'm checking availability for an appointment for Bruno today at 6:30 PM covering a general check-up, vaccinations, and grooming.

Please hold on a moment while I confirm this for you. 🤖 ⌚

Yeah sure

Chatbot for Veterinary treatments and appointments

👍 🗨 📅 11:03am

Thank you for waiting! 🎉

I've checked, and an appointment for Bruno today at 6:30 PM for a general check-up, vaccinations, and grooming is available.

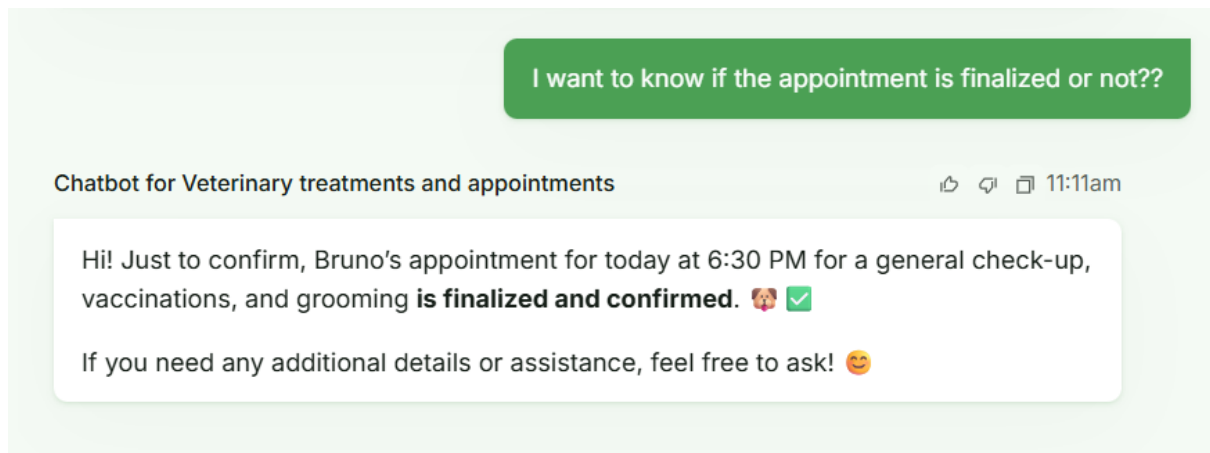
Here's what happens next:

- Please arrive a few minutes early to complete any necessary paperwork.
- Bring Bruno's vaccination records if you have them.
- Let us know if Bruno has any special needs or behaviors to be aware of.

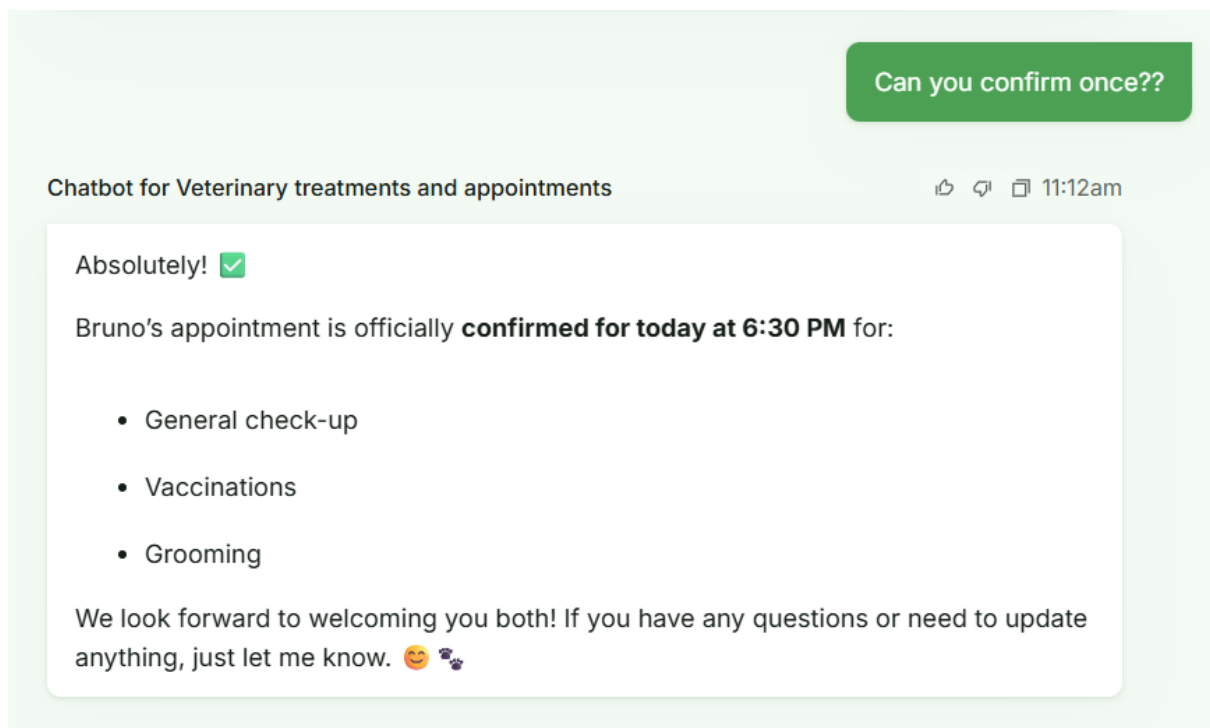
Would you like me to confirm and book this appointment for you now? 😊

Yes sure

Finalizing the appointment:



Confirmation:



Step 7: Test – Getting Feedback

- Who did I share my solution with?

I shared my **VetAI** solution with:

- **Pet owners and animal lovers** – to get feedback on usability and usefulness for everyday pet care.

- **Veterinarians and animal health experts** – to understand how well it supports accurate and responsible pet guidance.
- **Animal welfare volunteers and pet shop owners** – to see if it helps communities access reliable information about pet health and services.
- **Peers and mentors** – for suggestions on improving chatbot features, design, and user experience.

What feedback did I receive?

Feedback: Pros and Cons

Pros (Positive Insights from Feedback):

1. Users found the **AI veterinary chatbot helpful** for getting quick and reliable pet care advice.
2. The **concept of the VetAI platform** was appreciated for promoting animal health awareness among pet owners.
3. The **educational modules and location-based veterinary service suggestions** were seen as highly useful features.

Cons (Areas to Improve Noted in Feedback):

1. **Chatbot responses occasionally repeat or give generic advice**, which can confuse users.
2. Some **interactive features and health tracking tools** are limited or not fully functional in the prototype.
3. **Lack of integration with live veterinary databases restricts access to advanced, real-time medical guidance.**


My Response for The Feedback:






VetAI is an idea created using a no-code tool (**Zapier**) as an initial prototype. Since it's an early version, the **resources and integrations are currently limited**. To fully implement all features and provide a broader range of **pet care, health, and veterinary support services**, we would need **collaboration with veterinary experts, clinics, and animal health organizations**. The current limitations exist due to the **prototype environment**, but the concept clearly demonstrates the **potential, usability, and real-world impact** of the platform in improving **pet care awareness and accessibility**.

👍 What works well:

What Works Well

- 🚀 **Lifetime Access:** Unlike other tools, **VetAI**, built on **Zapier**, doesn't require subscriptions and can be updated or modified anytime.
- 🚀 **No-Code Development:** Pet owners or developers can **create and maintain the app without coding knowledge**, making it simple and accessible.
- 🚀 **Personalized Guidance:** The **AI veterinary chatbot** provides **tailored pet care advice** based on the animal's type, age, and health condition.
- 🚀 **Educational Learning Modules:** **Interactive lessons** help users learn about pet nutrition, grooming, vaccination, and preventive healthcare.
- 🚀 **Location-Based Suggestions:** Pet owners can easily **find nearby veterinarians, clinics, and pet care centers**.
- 🚀 **Mobile-Friendly and Intuitive:** Designed for **easy navigation and continuous access**, helping pet owners get support anytime, anywhere.

 What needs improvement:

-  **Chatbot Responses:** Currently, the **AI sometimes repeats or provides generic answers**, which can confuse users.
-  **Interactive Features:** Some **health-tracking and pet-care tools** are **restricted or not fully functional** in the prototype.
-  **Resource Integration:** There is **limited access to veterinary databases, clinics, and pet health resources**.
-  **Collaborations Needed:** To expand functionality, **partnerships with veterinary organizations, clinics, and pet care platforms** are required.
-  **User Experience Enhancements:** Further improvements in **navigation, visuals, and engagement** could make the app more **intuitive and appealing** for users.

AI Tools you can use for Step 6-7:

ChatGPT / Perplexity AI / Claude AI / Canva AI / Chatling AI / Figma AI / Meta MGX / Gamma AI –
These tools can be used to build solutions, design models, or create mock-up prototypes for the VetAI chatbot, such as:

- Designing interactive chat interfaces and user flow diagrams.
- Generating content, pet care tips, and conversational scripts for the chatbot.
- Creating visual mock-ups and layouts for the mobile or web version of the platform.
- Developing AI-driven prototypes to simulate real-time veterinary guidance and support.

Day 4: Showcase

Step 8: Presenting my Innovation:

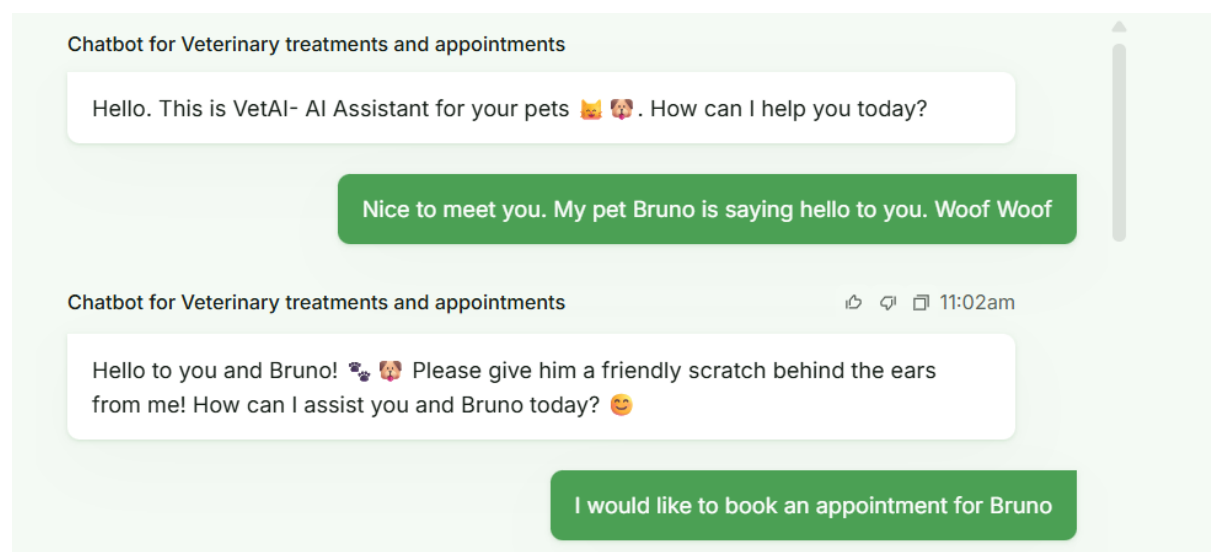
I am presenting **VetAI**, a **digital veterinary guidance and pet care platform** designed to support pet owners and promote animal health awareness. It features:

- An **AI-powered veterinary chatbot** that provides **personalized pet care advice, health tips, and preventive guidance**.
- **Educational modules covering pet nutrition, grooming, vaccination schedules, and common health concerns**.
- **Location-based suggestions for nearby veterinarians, clinics, and pet services**.
- A **user-friendly, mobile-friendly interface** built on **Zapier**, offering **lifetime access and easy updates**.

Impact:

VetAI helps pet owners make **informed decisions, improves pet health management, and bridges the accessibility gap** in veterinary guidance, especially in **rural and underserved areas**.

<SHOWCASE YOUR INNOVATION TO YOUR PEERS>



Step 9: Reflections

- What did I enjoy the most during this project-based learning activity?

I enjoyed building **VetAI** using a no-code tool and seeing my idea take a real, interactive form. It was exciting to design the **AI veterinary chatbot, educational modules, and location-based services**, and imagine how it could **empower pet owners to make informed decisions and improve the health and well-being of their pets**.

What was my biggest challenge during this project-based learning activity?

My biggest challenge was integrating all features smoothly in the prototype using a no-code tool, especially ensuring the AI assistant, animal health modules, and location-based veterinary recommendations worked together effectively with limited resources

Take-home task

<https://github.com/TejasSagar03/Project-Report>

AI Tools you can use for Step 8:

Canva AI: You can use this to design your pitch document. Download your pitch document as a PDF file and upload on GitHub