EMILIO AGUINALDO COLLEGE

Gov. D. Mangubat Ave., Brgy. Burol Main, City of Dasmariñas, Cavite 4114, Philippines
Tel. Nos. (046) 416-4339/41   www.eac.edu.ph

INTEGRATED MANAGEMENT SYSTEM
CERTIFIED

RESEARCH AND DEVELOPMENT OFFICE

THESIS TITLE PROPOSAL
1st Semester AY 2025 - 2026

Proponents:
1.   Andres, Khryssha Marie
2.   Navelgas, Quenzzy
3.   Sangalang, Althea
4.   Solis, John Mark

Program / School
BS Computer Science
School of Engineering & Technology

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Research Adviser

Working Titles:

1.   PawTect: An AI-Driven Prediction System for Early Detection of the Most Common Dog Diseases

Objectives of the Study: To create a user-friendly web interface that allows pet owners to input their dogs' symptoms easily and receive instant, AI-powered predictions.

To contribute to SDG 3 (Good Health and Well-Being) by empowering pet owners with accessible health insights that promote early intervention and timely veterinary consultation.

To design and train an AI model that innovates pet healthcare with AI-driven digital tools to contribute to SDG 9 (Industry, Innovation, and Infrastructure).

2.   WoofWoof: An AI-based Conversational Agent for Dogs' Health Triage and Guidance

Objectives of the Study: To design and train an AI model that understands dog owners' questions and identifies key health symptoms and concerns.

To create a user-friendly chatbot interface that allows pet owners to describe their dog's condition and receive instant, guided triage advice and general health information.

To contribute to animal well-being by providing a reliable first-line resource that helps dog owners make informed decisions, promoting early intervention and timely veterinary care when needed.

3.   PawMatch: An AI-Driven Pet Adoption Matching System with Adaptive Learning for Long-Term Compatibility

Objectives of the Study: To develop a matching algorithm that evaluates adopter lifestyle questionnaires to generate compatibility scores and recommendations, moving beyond basic breed and size filters to improve adoption success rates.

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To create a user-friendly platform where potential adopters can complete detailed assessments and browse matched pets with compatibility ratings.

To implement a feedback system that collects post-adoption data to gradually improve the matching algorithm's accuracy and contribute to better long-term pet-owner relationships.

Comments and Recommendations:
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Approved Working Title:

_____

_____

Recommending Approval:

_____   _____
Research Adviser's Signature over Printed Name   *Date*

Approved by:

_____   _____
Dean's Signature over Printed Name   *Date*