BỘ THÔNG TIN VÀ TRUYỀN THÔNG

HỌC VIỆN CÔNG NGHỆ BƯU CHÍNH VIỄN THÔNG

Sixth Report

Foundation Internship

Project Title: Smart Shop AI Assistant

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INTERNSHIP BASE REPORT - WEEK 6

WEEK 6 INTERNSHIP REPORT

1. Overview of This Week's Work

During the sixth week of the internship, I focused on **refining and completing the Admin Dashboard functionalities** as well as **optimizing the chatbot system**. These improvements aim to enhance the overall stability and usability of the management system and improve the chatbot's performance in assisting users.

2. Work Completed

2.1. Admin Dashboard Enhancements

This week, I reviewed and improved the existing admin functionalities to ensure they operate more smoothly and intuitively. Specific improvements include:

- **Completed Add/Edit/Delete features for products and users.**

- Refactored the UI for better user experience and consistency.

- Ensured input validation to avoid database issues.

- Enhanced feedback system to notify admins after actions (e.g., product updated successfully).

2.2. Chatbot Optimization

The chatbot was also refined this week to ensure more accurate and efficient user interaction. The key updates include:

- **Improved response logic** for frequently asked questions.

- Reduced API call latency by optimizing backend logic.

- Updated dataset and prompts for better contextual understanding.

- Fixed bugs where the chatbot failed to recognize product categories.

3. Technologies & Tools Used

- **Backend:** PHP (pure), MySQL

- **Frontend:** HTML, CSS, JavaScript

- **Security & Sessions:** PHP Sessions for password encryption

- **Chatbot Integration:** Gemini API (with logic written in Python)

4. Outcomes

- Fully functional and user-friendly admin dashboard.

- Admins can now add, edit, and remove users/products with ease.

- Chatbot responses are faster, more accurate, and more context-aware.

- The system is now closer to deployment-ready thanks to the completed core features.