Title : Livestock Case Alert System

Author(s) : Ms. Anchittha Wanichwiriya   **Student ID :** 650510649

Major : Computer Science

Advisor(s) : Dr. Sutasinee Thovuttikul

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☐ Poster

☑ **Cooperative Education**

ABSTRACT

At present, the reporting of epidemic outbreaks and natural disasters occurring in farm areas mainly relies on documents, phone calls, or general communication channels. This often results in incomplete, inaccurate, or delayed information, causing relevant authorities to be unable to respond or assess the situation in a timely manner. Therefore, the department has developed a system for managing and reporting epidemic outbreaks and natural disasters in farm areas. During this cooperative education project, the focus is primarily on the development of the frontend web application.

The web application for managing and reporting epidemic outbreaks and natural disasters in farm areas is part of the internal software development project under the Group Technology, Digital, and Data (GT&D) department. The system is designed to enable relevant units to manage and report incidents quickly and accurately. The application is developed using React for the frontend and Node.js for the backend, with a well-structured database for systematic data management. The developed system enhances the convenience of incident reporting, reduces coordination time, and improves the efficiency of farm risk management.