Thesis Title   Chatbot Application for Industrial Law

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ABSTRACT

Nowadays, Speech and textual information play a more critical role in human communication than counting face-to-face exchanges. An article in "The New York Times" published that adults today spend more than 8 hours daily on computer screens or mobiles, which is done through web applications such as WhatsApp, Facebook, and Twitter, among others, in speech and text conversations. However, in the study part, there are few online teaching materials compared to other online media. In the present paper, we built a chatbot in the education domain. The proposed chatbot assists in answering questions provided by the users as an additional way to study for students in modern times. The chatbot that we developed has focused on industrial law because most students in Thailand have difficulty using English. Therefore, we have created a chatbot in the Thai language, which currently does not have a chatbot based on the Thai language.

The chatbot uses NLP to build a system that can understand and respond to users' questions. In developing the chatbot system, we created a chatbot using neural network algorithms to provide services related to Thai industrial law. The main objective is the development of a chatbot application designed to serve as an information provider for industrial laws, with a primary focus on materials presented in the Thai language, aiming to enhance accessibility and efficiency in legal information dissemination. This system is intended to facilitate users in obtaining relevant legal knowledge by leveraging advanced chatbot technology, ensuring that industrial law resources are both easily accessible and comprehensible to Thai-speaking users. By integrating legal content into an interactive and user-friendly platform, the application seeks to bridge the gap between complex legal regulations

and practical understanding, ultimately improving compliance and awareness in industrial sectors.