

Developing a smart tourism system for Thai Binh province integrating an AI chatbot for consultation based on a knowledge extraction model from documents.

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Abstract: The topic focuses on developing a smart tourism system for Thai Binh province, including the integration of an artificial intelligence (AI)-based chatbot to advise tourists. The main problem addressed is providing an efficient travel experience and meeting the diverse needs of users. The research method is carried out in two phases: theoretical, involving knowledge extraction from relevant documents; and experimental, deploying the chatbot to collect feedback and optimize the system. The objective of the topic is to provide a solution applying AI technology to the local tourism industry, enhancing customer experience and supporting the development of the tourism economy in Thai Binh province.

Keywords: Smart tourism, AI chatbot, knowledge extraction from documents, advisory system, Thai Binh province