

# **Building a university admissions consulting chatbot system based on RAG technique.**

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**Abstract:** In the context of an increasing number of applicants needing advisory information on university admissions, this project aims to build a Chatbot system capable of providing detailed and rapid information. The project utilizes Retrieval-Augmented Generation (RAG) techniques to synthesize data from various sources, then processes it using natural language technologies such as sentiment analysis and answer generation. The research methodology includes experimentation with RAG models to optimize the performance and accuracy of the Chatbot system. Expected results will significantly contribute to improving user experience in the process of searching for admissions information, while also providing a foundation for research and development of learning support technologies.

**Keywords:** Chatbot, RAG (Retrieval-Augmented Generation), university admissions, sentiment analysis