

UNIMATE: VIRTUAL ASSISTANT SYSTEM FOR ENQUIRY USING NATURAL LANGUAGE PROCESSING

Abstract :

Nowadays, AI and automation are changing healthcare with chatbots. A new easy-to-use app for students aims to make systems better. The lack of college chatbots makes it hard to get help and resources, making staff busier and responses slower. UniMate makes college inquiries faster and more accurate using AI and NLP. Advanced algorithms like Bayesian, SVM, and Random Forest make UniMate work better. UniMate teams up with the College bot project for admissions and financial aid help. Previous methods had high computational steps and struggled with complex queries. In our project, we use frameworks like BERT and LSTM to solve these issues. Our project's main aim is to enhance the students experience through 24/7 support personalized assistance and cost savings.

Key Words:

- Virtual Assistant system
- Natural Language processing
- Text mining
- Machine learning
- Artificial intelligence.

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