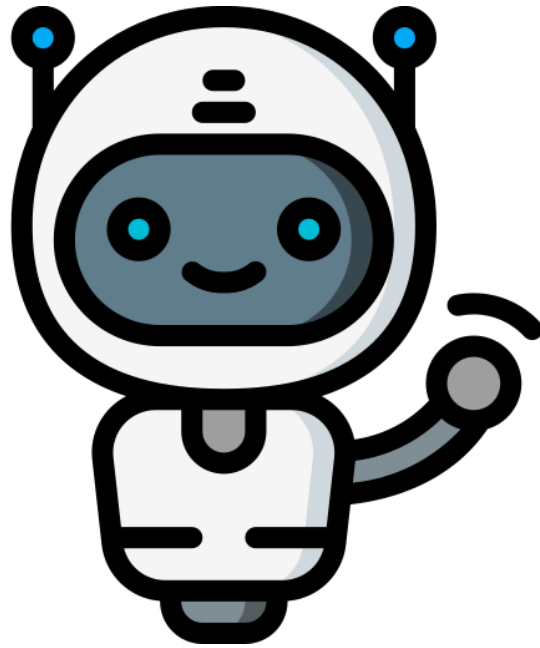


PROJECT PROPOSAL



TEAM NAME: BotBots

630615021 NUTTAPONG INKAE0

640615011 CHAYUT RIANPRAKAISANG

640615012 CHINNAWAT SERMSUKRUNGSAKUN

640615013 NATAKORN THAMMATIWAT

640615019 PARIPAT YUANSEE

640615504 HANCHUN WANG

TEAM PROFILE

- Paripat Yuansee (Project manager)
- Chayut Rianprakaisang (System Analysis)
- Chinnawat Sermsukrungsakun (Developer)
- Natakorn Thammatiwat (Designer)
- Hanchun Wang (Tester)
- Nuttapon Inkaeo (Tester)

ABOUT PROJECT

Our ideal is to create a Chat Bot, so we create it by using HTML CSS and JAVA SCRIPT. The Bot answers questions based on the expandable database. It updates the FAQ using the newfound knowledge obtained through the series of questions received and answers given

PROBLEM STATEMENT

The Department of Computer Engineering faces the challenge of efficiently and effectively responding to a wide range of inquiries from various users, including students, lecturers, administrators, parents, and visitors. The existing system lacks a centralized and intelligent solution to address the specific issues faced by these users. The primary problems identified are as follows:

a) Inefficient and time-consuming query handling: The current process of manually responding to numerous inquiries hampers the department's ability to provide timely and accurate information, leading to delays and frustration among users.

b) Inconsistent and outdated information: The existing FAQ system does not adequately capture the evolving nature of the department's curriculum, courses, faculty, research, and other relevant information. This results in inaccurate or outdated responses, which can mislead users.

SOLUTION

To address the problems, we propose the implementation of CPEBot, an intelligent chatbot tailored for the Department of Computer Engineering. The key features and benefits of our solution are as follows:

a) Automated query handling: CPEBot will utilize natural language processing algorithms and machine learning techniques to understand and respond to user queries in a timely and accurate manner. By automating the query handling process, the department can ensure a faster and more efficient response system.

b) Dynamic FAQ updates: CPEBot will be equipped with an expandable database that continuously updates its knowledge base using the new information obtained from user queries and answers provided. This will ensure that the FAQ remains up-to-date and reflects the most accurate information available.

c) 24/7 availability: Unlike manual query handling, CPEBot will be available round-the-clock, enabling users to seek information and assistance at their convenience, regardless of time zones or working hours.

CONTRIBUTION

The proposed CPE Bot offers several contributions that the existing systems lack, differentiating it as an invaluable solution for the Department of Computer Engineering. These contributions include:

a) Enhanced efficiency and productivity: By query handling and providing accurate responses, CPE Bot significantly reduces the burden on department staff, allowing them to focus on more critical tasks, such as curriculum development, research, and student support.

b) Improved information accuracy and currency: With the expandable database and continuous updates based on user interactions, CPE Bot ensures that the FAQ remains accurate and up to date, providing users with reliable information at all times.

USER GROUP

- CPE student
- ISNE student
- Professor
- Visitor

TECHNOLOGY FEASIBILITY

- HTML
- CSS
- JavaScript
- Firebase
- React.js
- VS code

CONCLUSION

In conclusion, the implementation of CPE Bot as an intelligent chatbot for the Department of Computer Engineering offers a comprehensive solution to the identified problems. Its ability to automate query handling, provide up-to-date information, deliver personalized experiences, and contribute valuable insights will significantly improve the efficiency and effectiveness of the department's communication processes, benefitting stakeholders and enhancing the overall user experience.

RESPONSIBILITY

630615021 NUTTAPONG INKAE0

- I help frontend and backend

640615011 CHAYUT RIANPRAKAISANG

- I do check the project that it works perfectly

640615012 CHINNAWAT SERMSUKRUNGSAKUN

- I make a database that bot can bring the data from that database.

640615013 NATAKORN THAMMATIWAT

- I write backend

640615019 PARIPAT YUANSEE

- I write frontend

640615504 HANCHUN WANG

- I test the project that it can work properly