

MALAYSIA PARLIAMENT WEB BASED SYSTEM

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ABSTRACT - Members of Parliament or people's representatives are people trusted by most of the citizens of the area to be the voice and catalyst for the progress of the community there. However, difficulty in contacting MP or reporting problems directly occurs because there is no platform for people to connect with their constituency representatives. Therefore, this study was published to overcome this problem where it is hoped that Malaysia Parliament Web-Based System can be a stop center for users as well as being able to display information about members of their parliament. Using a web-based system, users can get information about MP from other areas through interactive diagram displays and ask questions to the system without having to wait a long time by using a "chatbot". The methodology employed in this research is Software Development Life Cycle models. It comprises five phases which are Planning, Design, Development, Testing and Documentation. The functionality test finding revealed that overall features of Malaysia Parliament Web-Based System is successfully working. The study emphasizes the successful acceptance of the transparent Malaysia Parliament Web-Based System. These efforts enhance functionality, performance, and user satisfaction, benefiting the community.

Keywords: Parliament, chatbot, member of parliament, community, web-based system

1. INTRODUCTION

After make research the related issues, a system called Malaysia Parliament Web-Based System is proposed that can be used by all citizen of Malaysia. The objective of this study is to develop a web-based system that focused on Member of Parliament (MP) information management and using chatbot as alternative to get information of the MP page. With this web-based system, users can send a report to the MP office that makes the process quicker. It makes MP always get connected with the community by using this web-based system. Additionally, users can access live parliamentary sessions through this platform. This functionality allows citizens to stay informed about the proceedings and decisions made in parliament, promoting transparency and accountability. Users can conveniently access live broadcasts, ensuring they remain updated on important legislative matters and enabling them to stay engaged with the democratic process. With its user-friendly interface, efficient chatbot functionality, streamlined reporting system, and live session access, the web-based platform is poised to revolutionize the way citizens interact with their elected representatives and participate in the democratic process in Malaysia. Through analysis and testing, all objectives of the system were successfully achieved.

2. METHODOLOGY

In this methodology, Functionality Testing was used to evaluate the effectiveness of the Malaysia Parliament Web-Based System. This testing involved three participants assuming different roles: user, MP admin, and main admin. Functionality testing is a method used to assess the system's ability to perform expected tasks effectively. By conducting functionality testing with three participants assuming different roles, effectiveness of the Malaysia Parliament Web-Based System were able to be assessed in meeting the requirements and expectations of users, MP administrators, and main administrators. This testing helped us identify system strengths and weaknesses, providing guidance for future enhancements and improvements.

3. RESULTS AND DISCUSSION

Based on the result of functionality test, it can be observed that the system performed exceptionally well for the user and main admin roles, achieving a 100% successful rate in both cases. This indicates that system were able to effectively carry out tasks by the participant, with no reported issues or failures. However, the MP Admin role exhibited a slightly lower successful rate of 83%. This suggests that there may be areas of improvement required to enhance the functionality of the system specifically for sub-admin users. Overall, these findings indicate that the

Malaysia Parliament Web-Based System is generally effective in meeting the requirements and expectations of users, MP administrators, and main administrators. These results provide valuable insights into future enhancements and improvements to the system.

4. NOVELTY OF RESEARCH / PRODUCT

The benefit of the Malaysia Parliament Web-Based System is it provides users with a convenient and centralized platform to access comprehensive information about the Malaysia Parliament. Users can effortlessly find all the relevant information about Malaysia Parliament they need in one place. Furthermore, the system proves to be an asset for citizens who will be participating in the next General Election (GE). By offering insights into MP activities, how MP react to the complaint about their areas, it enlightens voters to make better decisions during the election. Another significant advantage of the web-based system lies in its integrated chatbot feature. This allows users to directly obtain information and receive prompt responses to their queries. Whether it's retrieving specific details or seeking clarification on parliamentary matters, the chatbot ensures quick and efficient access to the desired information, enhancing the overall user experience. In summary, the Malaysia Parliament Web-Based System brings forth a multitude of benefits. It provides users with a centralized platform for accessing comprehensive information, aids voters in making election decision, offers a responsive chatbot feature for quick information retrieval, facilitates better communication between parliamentarians and constituents, and serves as a valuable resource for political science enthusiasts and researchers.

5. CONCLUSION

Overall, all the objectives were achieved, and the Malaysia Parliament Web-Based System was successfully developed in accordance with the plans. The Malaysia citizens will use this web-based system to get the information or make a report to the MP offices that can make the process being faster.

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