Republic of the Philippines
POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
Computer Engineering Department

CMPE 30193

Methods of Research

TITLE PROPOSAL

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Title:

Implementation of a Kiosk-based Information Management System for the CPE Department's Research Defense

Rationale:

The rationale for implementing a Kiosk-based Information Management System for the CPE Department's Research Defense focusing on the panelist recommendation and suggestion to student researchers is to streamline and enhance the process of gathering feedback and recommendations from the panelists during the research defense. By utilizing a Kiosk-based system, the department can modernize and digitize the process, making it more efficient, accurate, and accessible.

The implementation of such a system will enable panelists to input their recommendations and suggestions directly into the system, eliminating the need for manual data entry and reducing the potential for errors. It will also provide a centralized platform for storing and managing the feedback, making it easier for the department to analyze and utilize the information gathered during the defense.

Furthermore, by focusing on panelist recommendations and suggestions, the system can provide valuable insights into the strengths and areas for improvement of student researchers' work. This information can be used to support the professional development of the students and enhance the quality of research outputs from the department.

Statement of the Problem:

SOP1:

The current process of gathering panelist recommendations and suggestions during the research defense at the CPE Department is manual, time-consuming, and prone to errors. The lack of a centralized system for collecting and managing this valuable feedback hinders the efficient analysis and utilization of the information provided by panelists.

SOP2:

Currently, there is no dedicated system or technology in place to streamline the process of gathering and managing panelist recommendations and suggestions during research defenses.

SOP3:

The lack of a centralized system leads to inefficiencies in data collection, storage, and analysis. Manual entry of feedback increases the risk of errors, and there is no standardized method for organizing and utilizing panelist recommendations and suggestions.

SOP4:

Implementing a Kiosk-based Information Management System can address these gaps by providing a centralized platform for panelists to input their recommendations and suggestions directly, eliminating manual data entry and providing a standardized method for collecting and managing feedback.

SOP5:

The implementation of the Kiosk-based Information Management System will provide a more efficient, accurate, and accessible way to gather, store, and utilize panelist recommendations and suggestions, ultimately supporting the professional development of student researchers and enhancing the quality of research outputs from the department.

Scope

This study aims to investigate the implementation of a kiosk-based information management system tailored for the Computer Engineering (CPE) Department's research defense process, specifically focusing on the panelists' recommendations and suggestions for student researchers. The scope of the study will involve the development, testing, and deployment of the kiosk system within the CPE Department to facilitate the collection, organization, and dissemination of panelists' feedback and recommendations to student researchers. By examining how a kiosk system can enhance the communication and collaboration between panelists and student researchers during the research defense process, this study seeks to provide insights into improving the quality and effectiveness of feedback provided to students.

Additionally, the study will include an assessment of the impact of the kiosk system on the overall research defense experience for both panelists and student researchers.

Limitations

While this study aims to explore the benefits of implementing a kiosk-based information management system for the CPE Department's research defense, there are certain limitations to consider. Firstly, the findings of this study may be specific to the CPE Department at a particular institution and may not be generalizable to other departments or academic institutions. Additionally, the study will not delve into the technical challenges or limitations associated with implementing a kiosk system in a research defense setting, as the focus is primarily on assessing its impact on feedback delivery. Furthermore, the study may not address all aspects of panelists' recommendations and suggestions for student researchers, as it will primarily focus on evaluating the effectiveness of using a kiosk system for this purpose. Lastly, the long-term effects of the kiosk system on student learning outcomes or research quality may not be fully assessed within the scope of this study, leaving room for further investigation in future research endeavors.

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