PAPERLESS CONFERENCING SYSTEM

Arcena, Robert Renzo Hernadez, Marco Gabriel Soriano, Bryant Christian Silvano, Jenalyn Malunas, ramil Obenario, John Michael Permejo, jonard

Department: College of Engineering   **Course: Computer Engineering**

INTRODUCTION

A paperless conference system, a system that can be used at meetings and presentations, presentations can be projected to the screen by sending their files through our system via smartphones or laptops wirelessly. Paperless conference system uses peer to peer (PTP) as its server network. It uses laptop and smartphone and it's easy to project while in the meeting just say to the server to present while in the meeting or presentation.

Nowadays in this pandemic having contact with a person is too difficult because of the spreading virus. We need ideas to maintain our economic growth and People keep inventing new ideas to help everyone and to make their daily life easy. One of these ideas is cashless payment like G-cash to make it safe for the people to transact and pay for their bills; it is very convenient and easy to use. Now we come up on an idea to innovate the projector into

a Paperless conference system. It can handle more users at the same time and can easily share screen. This system will protect our devices from being attacked by virus present from other's flash drives and this system avoids direct contact to avoid covid-19.

Difficulties in presenting reports are evolving from write all your reports to the board or in paper to presenting your reports through a projector but nowadays people are still having difficulties in changing the device that is connected to the projector to presents their reports why? Even the usefulness of the projector is now a big question to the people why it consume time by changing and setting up the device to the projector? Is it still useful? It still lessens the hassle of changing devices? And it is still time saving? For people it is still useful but it consume time to setting up.

We made this Paperless conference system to lessen the problem of reporters on how they switched their reports to another part of the report by connecting and sending the file from Smartphone and laptops to our system to saves time to arrange and setting up. Paperless Conference system is much useful than old type of projection because it saves time, less hassle in switching slides, and 10 persons can connect to our system to arrange the slides and know who's the next person to present the report. In Paperless conference system we made this system to make it features more prominent, useful and helpful to every people that had a hard time using the old type of projection.

GENERAL OBJECTIVES

This system helps prevent the spread of Covid-19. In today's time, there is often a conference meeting and there's a possibility of contact. Using this system, there is no need to stand up and give your presentation thru external devices like flash drives or hard drives, instead use the system and your presentation will be reflected in the projector immediately and this system has these functionalities that every person, group or even the corporation needs in time of presenting their reports as easy as fast.

SPECIFIC OBJECTIVES:

The Specific objectives of this project are:

● Wireless multi-access projection system by raising hand.

● Multi-connection access to any electron devices (Maximum of 10 devices in the same time).

● Easy to change the topics in the projector by clicking the next and pass to the next reporter.

● Less hassle to fix the connection from device to projector. And lastly;

● The 10 devices that connected to the system have a chance to use the multi-access projection to present and explain their opinions and report.

STATEMENT OF THE PROBLEM

This project aims to build a proposed Paperless Conference Projection System. It seeks to answer the following research questions:
1. What are the characteristics of the device in terms of Wireless projection system which is currently in use? 2. What

improvement can be made out of the existing device? 3. What new device can be derived with improvement?

4. What is the level of assessment of the groups of respondents on the developed device with the following criteria? Is there any significant difference?

4.1. Functionality;

4.2. Usability;

4.3. Reliability;

4.4. Efficiency; and

4.5. Maintainability.

5. What claims can be made from the developed invention or innovation project?

METHODOLOGY

The research used the developmental type of research which has been defined as the systematic study of designing, developing, and evaluating instructional programs, processes, and products that must meet criteria of internal consistency and effectiveness. Developmental research is particularly important in the field of instructional technology.

The most common types of developmental research involve situations in which the product-development process is analyzed and described, and the final product is evaluated. A second type of developmental research focuses more on the impact of the product on the learner or the organization. A third type of study is oriented toward a general analysis of design development or evaluation processes as a whole or as components. A fundamental distinct should be made between reports of actual developmental research (practice) and descriptions of design and development procedural models (theory). Although it has frequently been misunderstood, developmental research has contributed much to the growth of the field as a whole, often serving as a basis for model construction and theorizing (Richey, 1994).

EVALUATION METHOD

The project was evaluated on the following criteria namely:

- Functionality
- Usability
- Reliability
- Efficiency
- Maintainability

The method of sampling is purposively in nature. The purposive sampling technique is a type of non-probability sampling that is most effective when one needs to study a certain cultural domain with knowledgeable experts within. Purposive sampling may also be used with both qualitative and quantitative research techniques. The inherent

bias of the method contributes to its efficiency, and the method stays robust even when tested against random probability sampling. Choosing the purposive sample is fundamental to the quality of data gathered; thus, reliability and competence of the informant must be ensured (Tongco, 2007).

SUMMARY OF FINDINGS

Criteria	Students	Professor	Community	Composite Mean	VI	Rank
1. Functionality	3.97	4.07	4.07	4.03	VS	2
2. Usability	4.35	4.05	3.90	4.10	VS	1
3. Reliability	3.95	4.05	4.05	4.02	VS	3
4. Efficiency	4.00	4.03	3.77	3.93	VS	4
5. Maintainability	3.93	4.00	3.57	3.83	VS	5
Over all Composite				4.0	VS	

The following are the specific problems and their summarized findings:

1. The common flavours to be mixed in producing lemongrass candy are orange has 26 or 52%, calamansi has 12 or 24% lemon has 10 or 20%, and dalandan has 4 or 8%. The researchers decided to produce highest flavours which is the orange flavour branded as x and calamansi flavour as brand y for the experimental research.

2. The two groups of respondents do assessed the quality characteristics of lemongrass candy as in Brand X has a =7.08 with the verbally interpretation of Like Moderately while in Brand Y has a 7.83 with the verbally interpretation of Like Very Much

3. There is no significant difference between the lemongrass candy brands x and y in terms of appearance, texture, flavour, and taste, is in general, the computed t-value of 1.314 which is lower than the critical value of 1.684 at 0.05 level of significance and was interpreted as not significant therefore the hypothesis is accepted.

4. There is no significant difference between the assessments of the two groups of respondents as to lemongrass candy`s quality characteristics, the computed t-value of 1.314 which is a lower than the critical value of 1. 684 at 0.05 level of significance and was interpreted as not significant therefore the hypothesis is accepted

5. There is no significant relationship among the quality characteristics of lemongrass candy of the obtained overall t-value is 0.0125 with 3 degree of freedom fell lower than the critical value of 1. 943, at 0.05 level of significance and were interpreted as not significant therefore the hypothesis is accepted.

CONCLUSIONS

Based on the findings of the study, the following conclusions are drawn;

A. According to the evaluation result of the functionality of the system, the degree to which the sets functional completeness, correctness, and appropriateness were interpreted as "Excellent or Highly Acceptable" by the respondents, which means that the functionality of Paperless Conference System provided the specific tasks and user objectives, correctness of results with the needed degree of precision, and facilitated the accomplishments of specified tasks and objectives.

B. According to the evaluation result of the usability of the system, the degree to which the sets operability and accessibility were interpreted as "Excellent or Highly Accepted" by the respondents, which means that the usability of Paperless Conference System had an attribute that make it easy to operate and control and can be used by people with widest range of characteristics and capabilities to achieve a specified context of use.

C. According to the evaluation result of the reliability of the 57 Republic of the Philippines EULOGIO "AMANG" RODRIGUEZ INSTITUTE OF SCIENCE AND TECHNOLOGY College of Engineering system, the degree to which the sets maturity and availability were interpreted as "Excellent or Highly Accepted" by the correspondents, which means that the reliability of Paperless Conference System has met the needs for reliability under normal operation and it was operational and was accessible when required for use.

D. According to the evaluation result of the efficiency of the system, the degree to which the sets time behavior, resource utilization and capacity were interpreted as "Excellent or Highly Accepted" by the respondents, which means that the efficiency of Paperless Conference System met the requirements of performing its functions.

E. According to the evaluation result of the maintainability of the system, the degree to which the sets modularity, reusability and modifiability were interpreted as "Excellent or Highly Accepted" by the respondents, which means that the maintainability of Paperless Conference System was composed of discrete components such that a change to one component had minimal impact on other components, an asset can be used in more than one system, or in building other assets and can be effectively and efficiently

modified without introducing defects or degrading existing system quality.