

THE GEARS ONLINE PUBLICATION

I. INTRODUCTION

Today, most of the people rely on the modern technology in terms of studying, business, medicine, communication, entertainment and so on. Technology brings so much greater comfort in living than these past few years and technology is even more innovating. It is a big proof that most of the Filipinos rely with the help of technology.

Laguna State Polytechnic University Main Campus in Santa Cruz Laguna have their official publication named the GEARS. The Publication was known for providing information in every events and activity that happen inside the campus for a sustainable amount of time. All the news and articles that the publication develop will be distributed for the students, offices, and departments. Ms. Chiqui Labastilla is the coordinator of the GEARS Publication, for almost one and a half year. The said Publication already has a great amount of achievements some of these great achievements are the following, 10th university wide press conference –BEST CONTINGENT PUBLICATION, Regional Higher Education Press Conference (RHEPC) 2019 -3RD TOP PERFORMING PUBLICATION IN CALABARZON. Yearly, the publication releases magazines, newsletters, tabloids and literary folios. These are also used as outputs for press-conferences.

In addition, they release newsletters monthly inside the school which are distributed for all the school offices and departments. The quantity of outputs being

released depends on the agreement of the accounting, publication, and the ones who will be printing each output. When publishing a newspaper, what they usually do is using a printing press and distributing the news/article manually by offices and departments.

II. RESEARCH OBJECTIVES

The General Objectives objective of the study is to design and develop a GEARS Publication History and Achievements. System that would serve as proposal to help the LSPU the GEARS Publication for their operation and provides an easier, faster, more organized, secured and accurate system.

Specifically, the study aims its specific objectives:

1. Test the functionalities of the GEARS Online Publication on its major features.
 - 1.1. Post and make an Announcement
 - 1.2. Monitor the distribution of published articles
 - 1.3. Records and Inventory of published articles
2. Assess the GEARS Online Publication members with the user acceptance and behavioral intention using Technology Acceptance Model (TAM) criteria.
 - 2.1. Quality Factors
 - 2.2. Perceived Ease of Use
 - 2.3. Perceived Usefulness
 - 2.4. Actual Use
 - 2.5. Maintainability of the System

III. LITERATURE OF THE STUDY

The researchers had research and gathered the literatures and studies that well related for well designing and developing the study. It was considered to identify and know all the details and information about the GEARS Online Publication for better understanding of the study which the researchers were trying to achieve and accomplish. These literature and studies, both local and foreign will serve as the reference and basis of information for the researchers who perform this study in conducting, presenting and would sustain the study.

Internet journalism has become prominent in as a result of transport printed newspapers to the internet environment, it is now a special type of journalism that make an advantage to spread the news and update the community stated by Kuyucu (2016) entitled Online magazine journalism: a research about the contents of online magazine. Now that a lot people are turning to the internet for their information needs, print journalism is slowly being cast aside and some even consider print journalism a dying art, as shown by the steady decline of print newspaper sales. The journalism landscape is constantly changing, with new technologies and media re-defining the relationship between the news media and the public. The new technology is reshaping the most fundamental aspects of our communications system, and we are now forced to reconsider our most basic assumptions about how that system will be used to gather and to distribute the news according to Kaul (2016) entitled Journalism

in the Age of Digital Technology. Based on Wang (2016) entitled Improvements to Online Distributed Monitoring Systems. The study stated that online monitoring, providing the real-time status information of servers, is indispensable for the management of distributed systems and resource scheduling. The main design challenges for distributed monitoring systems include scalability, fine granularity, reliability and low overheads. And the challenges are growing with the increase of the scales of the distributed systems. Additionally, according to Snatkin, Eiskop, and Majak et al (2015) in their study entitled "Production Monitoring System Development and Modification" they stated that monitoring was always an essential part of the information systems. Monitoring system is necessary component of the information systems that are used in the production industry to improve efficiency and reduce losses. The news current journalism-oriented news distribution has been completed by the portal site; news services became the symbol of online journalism. The portal site news services performing only news distribution have more influence than the paper based online newspapers and Internet based online newspapers producing news means the change of media power stated by Wi-Geun (2016) entitled The Influence of Portal Site News Services on Online Journalism in Korea: The Structural Transformation or the Power Change in the News Distribution. As stated by Ciucu (2017) entitled Online dissemination of news in Nicolae Titulescu University. Methods of disseminating information for students are through the University websites, forums or more popular

now for students through social network websites a main website. Websites are a very good method of disseminating information for students in online environment. We might think that with this new trend, people prefer to get information on a social network website, but actually for complex information the websites are better. According to Ujunwa et al (2020) entitled Online Building Materials Inventory System. The inventory management system is a web-based application designed to keep detailed records of each new or returned product as it enters or leaves a warehouse or point of sale. This assists in the effective management of materials and equipment and thus improve warehouse management, cash flow and saves time. Based on Wang (2016) entitled Improvements to Online Distributed Monitoring Systems. Online monitoring, providing the real-time status information of servers, is indispensable for the management of distributed systems and resource scheduling. The main design challenges for distributed monitoring systems include scalability, fine granularity, reliability and low overheads. And the challenges are growing with the increase of the scales of the distributed systems.

The technology discussed in this paper is an approach to improve the life-cycle cost applied to distributed generation systems for instrumentation and monitoring in smart grids. It is based on designing an intelligent instrument to achieve the highest performance, to allow for flexibility in generating data suitable for each destination, to involve validation for the credibility of operation, and to adapt itself to new grid codes. Such intelligent power instruments

are implemented with knowledge of measurement processes, their variables, and parameters, with a response to the universe of data that must be monitored and controlled discover by Brandao et al (2018) entitled Distributed generation systems: an approach in instrumentation and monitoring. As stated by Andres (2016) entitled Online dissemination of information on sustainability in regional governments. This paper identifies determinant factors that can help website developers and managers enhance the online transparency on sustainability provided. Identified technological factors such as broadband availability and the online compilation of information and transparency-stimulating factors, such as convergence with the information society, accessibility and usability that can be useful to increase the volume of social, economic and environmental information published on their websites. Cited by Bashorun (2016) entitled the evolution of electronic publishing: a literature review. Information Technology has changed the way information is processed, stored and disseminated. The prime aim of publishing is to disseminate new research findings as widely as possible in a timely and efficient manner. The ultimate goal is to provide fast and easy access to information contained in the publications with simple, powerful search and retrieval capabilities. In addition, according to Ashuri (2016) entitled When Online News was New Online technology use and constitution of structures in journalism. The study stated that the traditional news producers expand their strategies from newspaper publication alone

to online news dissemination. Relying on the structuration approach, describe how the structural shifts identified reflect neither technological necessity nor autonomous managerial schemes, but are constituted in and through the practices of journalists, as shaped by the emerging networked media.

A large amount of news articles is being created online, and news articles are important resources for understanding social phenomena and trends. A web portal service provides a 'portal news page' that classifies news articles published from various news sources into sections and provides each news article with a certain structure. Therefore, by analyzing portal news pages, it is possible to automatically extract information about news articles. These systems are expected to provide the foundation for news analytics and forecasting services discovered by Kim (2020) entitled *Extracting and searching news articles in web portal news pages*. Today the world totally relies upon the electronic media to its every day adventure. The people have no time to be updated through newspaper or watching or listening the news on television or radios. People today need to be updated on daily basis in this competitive world. Most of the people get the information about the world around through the internet which is fast, accessible, and reliable according to Sakarkar (2019) entitled *Online News Portal*. As cited by Panagiotidis (2020) entitled *A Participatory Journalism Management Platform: Design, Implementation and Evaluation*. The news organizations include in their websites tools and applications that allow users to be active or even co-producers of journalistic content,

by liking, commenting, sharing and submitting material. At the same time, large amounts of user-generated content are uploaded every day on social media platforms. Subsequently, media organizations must deal with continually available information which requires management, classification and evaluation not only to keep high journalistic standards, but also to avoid problems. An online publishing, provides a platform to publish papers that are more discoverable in anyone, accessible and optimized for sharing the publish paper and news. Promoting important research findings. There are more approaches for the audience to gather the information regarding anything that happening in the surrounding as stated by Cited by Pulverer (2016) EMBO Press.

The portal offers a convenient and easy view to learning or knowing the world for the largest population in the world. It is a daily that produces crowds. The idea is to send your news item with your web-based gadget, which the administrator responsible for the mass visualization in the editor panel is responsible for. The portal was created using HTML, PHP & CSS and SQL Server technology Based on Raihan entitled *Development of an Online News Portal* (2019). news and information are the major part on what people do in the internet and online journalism have played an important role in the internet growth. The future of online news offers a wealth and vibrant opportunities. It can give readers new forms of news and information at all hours.as stated by Kanghui (2018) entitled *A Study of the Relationships among Types of Web Portal Usage, Credibility of News on Web*

Portals, and Credibility of News Media Outlets. This study found that the reliability of news from the web portals showed positive relationships with both portal sites centered and news media outlet centered. The credibility of news from news media outlets had statistically significant relationships with the two types of web portal usage, but it differed depending on the audiences' preferences toward news media outlets.

The rise of Agile methodologies and practices has provided some useful tools that can help to establish a framework to estimate, manage and plan Web development projects. This article presents a proposal for estimating, planning and managing Web projects, presenting them as a unified framework which is used to guide the delivery features of the GEARS online publication. As cited by Regan (2017) entitled Agile Methodology. This article discusses the Agile methodology which is a popular lightweight approach to software development. Agile provides opportunities to assess the direction of a project throughout the development lifecycle, and ongoing changes to requirements are considered normal in the Agile world. It has a strong collaborative style of working, and it advocates adaptive planning and evolutionary development. Additionally, stated by Imperial (2020) entitled Development of a Pharmaceutical Inventory System using an Agile Methodology. There has a problem in their business with regards to their manual business process. The current system uses Microsoft Excel as its inventory tracker and product database. Through the use of an Agile driven

approach, there are able to identify the company's issues. Through the use of this technique, the system is currently building is well aligned to address the issues identified. This is done through an iterative approach of interviews and feedback on their business process, possible solutions and constraints, and the system.

Likert scale is psychometric scale commonly involved in the research based on the survey question the researcher has identified that there are different kinds of Likert rating scale where the commonly used Likert scale is a five or seven point scales which is used to identify the individual to express how much they agree with particular statement discover by Barua (2014) entitled Methods for decision-making in the survey questioners based on the Likert scale. In addition, according to Yoon (2016) at the study entitled "User Acceptance of Mobile Library Applications in Academic Libraries: An Application of the Technology Acceptance Model", Technology Acceptance Model has been used in different studies in regards to the behavior related technologies and systems. The advantages of applying TAM to evaluate a system are to know the user's perception to the developed system, allows to conduct assessment to determine the satisfaction of the user with the system and it contributes to the success rate of the system as this model has been used by a lot of studies in the past that was tagged as successful. Based on Bhatti et al (2015) entitled An Investigation of University Student Readiness Towards M-learning Using Technology Acceptance Model and stated that TAM's strong and frugal nature are the reasons why it is a

popular choice among researchers in investigating the level of user acceptance in new technologies. This theory proposes that the behavior towards using innovation is impacted by the beliefs that it is undemanding to use and embracing this type of theory will lead to effectiveness and efficiency of the system.

Therefor the researchers concluded that even there are some hindrance and constraints, our system is a web portal which users can comment, update, read some publish documents and aware of what's happening inside the campuses. Having system like this will surely help the school to eliminate their printing press, easily announce of events, publishing book or documentaries and easily updated the students. All of this is just an evidence that our systems have a big part of everyone lives now.

IV. METHODOLOGY

Research Design

The researchers discussed the different methodologies and process used to the gather the necessary information for the study. In the study, the researcher's used the descriptive research design. Descriptive research is a quantitative research method because it attempts to collect quantifiable information to be used for statistical analysis of the population sample. Asking questions about the client in natural situation helped the researchers to understand and gain more knowledge about the process and problems existing. Identifying and analyzing the problems helped the researchers to come up with a better solution.

Research Design is Descriptive Developmental for the development of the proposed system. This developmental focused on the progressive changes that occur as an organism develops.

The researchers used the survey method to gather required data. Survey method is a technique of gathering data by asking questions to people who are thought to have desired information. The respondents who were willing to share information were asked questions on their demographic interest opinion. By doing so, the researchers had a broader range information. In survey, the client shared what they thought and what experiences they had in using their system. Answers could be obtained in a short time

despite having a several respondents. The data gathered was reliable because the response was from the client itself who used the system.

Population of the Study

The study was conducted in Laguna State Polytechnic University at Sta. Cruz, Main Campus. The focused of the study is the Publication of the University named the GEARS. The prospective users were tasked to evaluate the proposed system according to the given criteria. There was a total of forty-four (44) respondents. It will be composed of one (1) coordinator, one (1) secretary of the publication, twelve (12) editorial board, and thirty (30) staffs of the publications. The chosen respondents will be tasked to evaluate the proposed system because they will be the one who will use the system.

Locale of the study

The data gathered about the population of the study was accomplished by interviewing the coordinator and members of the GEARS Publication in the social media. This sampling method was conducted where each member of a population had chosen or opportunity to become part of the sample.

The GEARS Online Publication: the staffs of the publication with a total of 30 respondents with percentage of 68.18% while the frequency of the Editorial Boards with the total of 12 respondents with percentage of 27.27%, the frequency of the secretary with the percentage 2.27% of and the frequency for the coordinator with the percentage of 2.27% and the overall total of frequency is 44 with a percentage of 100%.

Bernard, H. R. (2002) stated that purposive sampling technique, also called judgement sampling, is deliberate choice of a participant due to the qualities the participant possesses. It is a nonrandom technique that does not need underlying theories or a set number of participants. Simply put, the researchers decide what needs to be known and sets out to find people who can and are willing to provide the information by virtue of knowledge or experience.

Sampling Design

The evaluation is convenient for the researchers for it is easily reachable and will not exceed the offices of the GEARS which is the publication of Laguna State Polytechnic University. The researchers will pick random staff and Editorial Board of the

GEARS, the coordinator, and secretary are belonging the users that need to evaluate the proposed system.

The study was conducted in Laguna State Polytechnic University. Respondents was the Staffs, editorial board, coordinator and secretary who will use the system. The researchers used non-probability sampling to obtain data from the sources. Cited on the article by Stephanie Glen (2020) Non-probability sampling is a sampling technique where the odds of any member being selected for a sample cannot be calculated. It's the opposite of probability sampling, where you can calculate the odds. In addition, probability sampling involves random selection, while non-probability sampling does not it relies on the subjective judgement of the researcher. The researchers do not interview all of staffs of the GEARS but interviewed staffs will use the system.

Data Collection Method

The study entitled "The GEARS Online Publication" needed a very specific and large data from the Laguna State Polytechnic University. In the process of data gathering, the researchers had to device a strategic course of action in collecting, analyzing and representing the data from various points of the study. The following are the main methods used in gathering the information needed for the study to proceed:

Observations

The researchers immersed themselves into the community in order to observe the state of technology in the area. In this method of data collection, the researcher's main focus is to perceive the nature and extent of

significant interrelated elements within complex social phenomena. The researchers needed to observe how the GEARS manage their documents.

The researchers took down notes on their observations and carefully analyzed the nature and the processes involved in the actual current state of the client's technology.

Interviews

After careful observations, the researchers then proceeded to conduct a series of interviews with a sample from the population of the study. The interview method as a verbal method is quite significant in securing data about all these aspects. In this method a researcher or an interviewer can interact with his respondents and know their inner feelings and reactions. Interview is a direct method of inquiry. It is simply stated as a social process in which a person known as the interviewer asks questions usually in a face to face contact to the other person or persons known as interviewee or interviewees. The interviewee responds to these and the interviewer collects various information from these responses through a very healthy and friendly social interaction. The researchers used this method in order to further gain knowledge on the experience of the administrators.

Research

The Researchers used the internet for research since it has a large collection of information that is accessible anytime. The researchers read some journals, articles, and other published works to collect different information related to their study. The information gathered was used for the related literatures. Agile methods also emphasize working software as the primary

measure of progress. Combined with the preference for face-to-face communication, agile methods produce very little written documentation relative to other methods

Statistical Treatment

In analyzing the data, one of the most efficient ways to gather data is using Statistical Treatments. To have a true and clear presentation data gathered. Likert scale method was used, this method was basically utilized to prove the validity and importance of the present study.

The researchers used weighted means to compute the total mean to get the verbal interpretation of the developed system. To compute the mean, get the number of the respondents that answered the Likert scale level of acceptance then multiply it by the number of Likert scale over the total population of the respondents. The standard deviation is used to know the response of the respondents to the developed system. The formula in standard deviation is the square root of summation of number of respondents that answered in the Likert scale subtract the computed mean squared over the total population of the respondents. The higher standard deviation you get it means that the developed system meets their standard while the lower standard means the respondents disagree to the developed system.

Software Development Model

The Agile Software Development Model as their research design for the study entitled The GEARS Online Publication.

Agile a type of development methodology that anticipates the need for flexibility and applies a level of pragmatism to the delivery of the finished product and requires a cultural shift in many companies

because it focuses on the clean delivery of individual pieces or parts of the software.

Agile Software Development is the sample implementation of the system that shows limits and main functional capabilities of the system. After the system is created, it will be delivered to the client for the evaluation. The system will help the client to determine how the feature will function in the final software the client will provide suggestions and improvements for the manual process. The researcher will implement suggestions in the new program software, which is again evaluated by the client. According to Salinas et al (2015) in his study entitled Estimating, planning and managing Agile Web Development projects under a value-based perspective. The rise of Agile methodologies and practices has provided some useful tools that can help to establish a framework to estimate, manage and plan Web development projects. This article presents a proposal for estimating, planning and managing Web projects, presenting them as a unified framework which is used to guide the delivery features.

The researchers used Agile Software Development Method for their study because this has a clear guidance and principles which is sustainable for the development of the system. The method is also adaptable to changing requirements all throughout the process. Cited by Regan (2017) Agile provides opportunities to assess the direction of a project throughout the development lifecycle, and ongoing changes to requirements are considered normal in the Agile world. It has a strong collaborative style of working, and it

advocates adaptive planning and evolutionary development.

PHASE I. Planning Phase

The first phase of the whole process of the Agile Development Model is when the researchers conducted a brainstorming for ideas make necessary research and used data collection method such as Client interview, Observation, Survey, Questionnaire that allowed the researchers gain accurate information and data needed to the development of the system, this helps the researchers on planning and to move forward to the next stage of the study.

PHASE II. Requirement Analysis Phase

The second phase is the phase where needed data or inputs are gathered and analyzed so that the next phase can start. Inputs are commonly gathered through the help of interviews with people involved with the current process of the established or organized. The researcher has taken advantage of the internet to have an idea on how the web portal was developed and created. The researcher also used different programming language that suits in developing of the GEARS Online Publication.

PHASE III. Designing Phase

The next phase is the phase where the structure of the system is formed. It is the blueprint of the work that can be used for building the process of the GEARS Online Publication. Start planning, designing and thinking the best feature for the website that the proponents produce.

PHASE IV. Building Phase

The researchers looked over the work that has been done and to determine the ways on how to improve the methods and process that has been used to do the project. This is where designed or the blue prints gets their form. It is where the codes build the structure and function and other feature added and where the GEARS Online Publication is nearly coming to its final phase.

PHASE V. Testing Phase

The testing phase, which is the last phase in the Agile Software Development Model, is where the researcher interacts with user or the client to test the GEARS Online Publication and change some aspects of the system to for its own improvement. Testing helps the researchers to assess the effectiveness of the end product and also modify the changes needed that would help the system perform the task it is made to do.

V. RESULTS AND DISCUSSION

RESEARCH OBJECTIVE 1: How to design and develop a GEARS Publication History and Achievements. System that would serve as proposal to help the LSPU the GEARS Publication for their operation and provides an easier, faster, more organized, secured and accurate system?

First the researchers conducted an interview with the Coordinator of the GEARS Publication about their history since The GEARS Publication doesn't kept

record of its history, having this site will now preserve the GEARS Publication history, like keeping the Publication's records of achievements, records of events

and records of who managed the publication for future references of researchers who may also be interested in using the Publication as a center of their research. And instead of just using matrix of articles provided by writers, they can now use the system for their work to be more efficient and organized. After gathering the information needed, the researchers planned on how to develop a system that can preserve the GEARS Publication.

The researchers decided to use Agile Software Development Method to develop a system that can monitor the release of articles of The GEARS Publication because this method has clear guidance and principles, and also adaptable to changing requirements throughout the process.

Agile Software development has 5 processes. The first one is when the researchers conducted a brainstorming for ideas make necessary research and used data collection method such as Client interview, Observation, Survey, Questionnaire that allowed the researchers gain accurate information and data needed to the development of the system, this helps the researchers on planning and to move forward to the next stage of the study. The second one is the phase where needed data or inputs are gathered and analyzed so that the next phase can start. Inputs are commonly gathered through the help of interviews with people involved with the current process of the established or organized. The researcher has taken advantage of the internet to have an idea on how the web portal was developed and created. The researcher also used different

programming language that suits in developing of the GEARS Online Publication. The third phase is where the structure of the system is formed. It is the blueprint of the work that can be used for building the process of the GEARS Online Publication. Start planning, designing and thinking the best feature for the website that the proponents produce. The fourth phase is where the researchers looked over the work that has been done and to determine the ways on how to improve the methods and process that has been used to do the project. This is where designed or the blue prints gets their form. It is where the codes build the structure and function and other feature added and where the GEARS Online Publication is nearly coming to its final phase. And the Final Phase The testing phase, which is the last phase in the Agile Software Development Model, is where the researcher interacts with user or the client to test the GEARS Online Publication and change some aspects of the system to for its own improvement. Testing helps the researchers to assess the effectiveness of the end product and also modify the changes needed that would help the system perform the task it is made to do.

The researchers presented their system in front of three (3) IT professionals, the first IT Expert is Mr. Mark David B. Alberto, graduated of Bachelor of Science in Computer Science in AMA Computer College – Cavite Campus and currently working at NBI. The second IT expert is Mr. Link Chester Gonzales, graduated of Bachelor of Science in Computer Engineering in University of Rizal System and currently working at Startek Frontera

Verde Site – Pasig and the third IT expert is Mr. John Axl Martin, graduated of Bachelor of Science in Computer Engineering University of Rizal System and currently working at Associate Software Engineer in Accenture Inc.

Coordinator of the GEARS Publication Mrs. Chiqui Labastilla and Editorial board members Mr. Ranz Irish Enriquez, Ms. Erika Laurence Ramos, Mr. Jerome Landing and Mr. Lloyd Melvin MT through google meet live testing to test the functionality and features of the developed system if the function needed by “The GEARS Online Publication” are functioning properly.

The researchers formulate and used test case testing to test the functionality and performance of the GEARS Online Publication. The testing questionnaire is consisting of step number, step details, and the expected result of each step that is based on the developed system requirements. The testing questionnaire will provide the researchers the in-depth view if the developed system is functional or not.

RESEARCH OBJECTIVE 2: How to 1) Test the functionalities of the GEARS Online Publication on its major features?

1.1 Post and make an Announcement.

By creating a website for them, the publishing of their news and other related outputs will be much easier and faster to spread throughout the students. Every student that would visit the website would be having a chance to comment on each article. They were allowed to post what’s on

their mind or their feedback about the article.

1.2 Monitor the distribution of published articles.

The system will improve the old process, In the old process The GEARS Publication uses a printing press to print their outputs, and they distribute it manually and they used a log book to monitor the distribution of the articles that they published, sometimes human error cannot be avoided so if they use the system their monitoring accuracy will be higher and their work will be more efficient and easier. Now that we are facing a pandemic, this system will help work for them to be more efficient, accurate, more appealing, and more productive.

1.3 Records and Inventory of published articles.

It helps the users to lessen their work and uses it for the work of the staffs and members of the publication can work easier and well-organized than to the current process. The proposed system can help the users to make their works much convenient in terms of organizing, maintaining the records of articles and inventory of the publication better than the manual recording through log book and listing down the inventory of published articles manually.

RESEARCH OBJECTIVE 3: How to Assess the GEARS Online Publication members with the user acceptance and behavioral intention using Technology Acceptance Model (TAM) criteria.

The researchers made the system user friendly as much possible for the administrators to use it on its full potential. The researchers used the Technology Acceptance Model to evaluate how the user accepts the use of technology by giving them different criteria regarding with the developed system. Based on Hamed (2018) the Technology Acceptance Model (TAM) is an information systems theory that models how users come to accept and use a technology. TAM has been applied to predict and understand users' behavior. Thus, user acceptance is very important and undeniable key to have a successful implementation of any new technology. So, understanding the users' perception could help the growth of the implementation of the new technology.

Likert Scale was used as a legend for the verbal interpretation in which the researchers can determine if the respondent is Acceptable, Slightly Acceptable, Neutral, Slightly Unacceptable and Unacceptable.

The result of the GEARS Online Publication as perceived by the respondents in terms of 2.1 Quality Factors, 2.2 Perceived Ease of Use, 2.3 Perceived Usefulness, 2.4 Actual Use and 2.5 Maintainability of the System.

VI. CONCLUSION

The feedback gathered after the testing implementation conducted by the researchers proved that the respondents were satisfied and determined to use the developed system. In conclusion to the study, the system was able to answer its main objective which is to develop a

solution that can resolve the problem of the GEARS Publication in terms of Online Publication.

The enumerated objectives of the study have been achieved and attained through the model used in developing the study which is the Agile Software Development Model. By developing the system, the study meets its aim objectives. The system gave a timely and accurate news report for the students of Laguna State Polytechnic University and more effective in monitoring the distribution of the released publish articles. And last, the system lessens the amount of effort and time to every staff of the publication.

VII. RECOMMENDATIONS

Generally, the system was developed and designed for the Laguna State Polytechnic University the GEARS Publication to monitor and keeping the records of the Publication and other related information needed for the scope of this field. For enhancement of the developed of the GEARS Online Publication the following are recommended below:

1. Future researchers may improve the design of the system making it more appealing.
2. Future researchers may add a feature to upload video contents.