



**COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**

**President Ramon Magsaysay State University -  
San Marcelino Campus Information Portal  
with 360 Degree Virtual Campus Tour**

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**A Thesis**

**In partial Fulfillment of the Requirements  
for the degree of Bachelor of Science in Information Technology  
College of Communication and Information Technology  
President Ramon Magsaysay State University  
San Marcelino, Zambales**

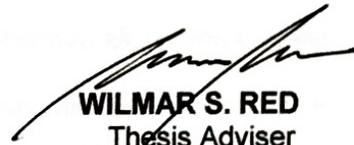
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Republic of the Philippines  
**PRESIDENT RAMON MAGSAYSAY TECHNOLOGICAL UNIVERSITY**  
College of Communication and Information Technology  
San Marcelino, Zambales

**APPROVAL SHEET**

This, study entitled “President Ramon Magsaysay State University San Marcelino Campus Information Portal with 360 Degree Virtual Campus Tour” prepared and submitted by Don Bryan A. Gabata, Kurt D. Borromeo, Kaye C. Vega, in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** are hereby recommended for oral examination.

  
**WILMAR S. RED**  
Thesis Adviser

Approved by the Panel of the Oral Examiners on July 11, 2022 with a grade of 80.

  
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Accepted and approved in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE**.

7/11/2022  
Date Signed

  
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## EXECUTIVE SUMMARY

This research project is titled, "President Ramon Magsaysay State University - San Marcelino Campus Information Portal with 360 Degree Virtual Campus Tour." In a world where the internet is now the main source of information, an academic institution's internet presence is of utmost importance. Websites, web pages, and information portals are the first ones searched by students, parents, and stakeholders when they want to know something about an academic institution. Thus, the researchers believe that it is imperative for President Ramon Magsaysay State University - San Marcelino Campus (PRMSU-SM Campus) to develop an information portal with a 360-degree virtual tour.

From an advertisement perspective, an information system is an easy way to introduce the university campus to internet users. This is because a university's website, web page, and/or information portal is the first one that students, parents, and stakeholders check on the internet.

From the perspective of a career path, this information portal could be used to introduce the degree programs offered at the campus, guiding prospective students, parents, and stakeholders on the possibility of attending the campus. This is because the end users will be informed of what career path choices are available to them at the campus and what are not. As a result, they will be able to make an informed decision about which degree program to pursue.



The 360-degree virtual tour facet of the proposed system combines the need for advertising the campus as well as helping prospective students, parents, and students decide to attend the campus. The 360-degree virtual tour helps the end user to visualize the campus, becoming more familiar with the facilities, activities and other information offered at the virtual tour gallery, helping them to decide on adopting the university for their career path choice.

From an information dissemination standpoint, this information portal will also be the internet bulletin board of the university. This way, announcements, advertisements, and news from the university will be readily available for those who open the information portal. The researchers selected students from Castillejos National High School to evaluate the system, where 100% of the respondents agreed that the information portal was successful in introducing the university to them. Usability is often an important part of any information portal, on which 97.1% of the respondents agreed that the information portal is easy to use. 100% responded that the information portal is helpful in introducing the degree courses offered by the university. In introducing the facilities of the campus, 97% agreed that the system is helpful. Thus, in summary, 100% of the respondents believe that the information portal with 360-degree virtual tour is helpful in introducing and familiarizing themselves with the campus.

This study thus finds that there indeed is a need to develop an information portal with a 360-degree virtual tour for the university.