Proposed Project Thesis Title Proposal Form

A. Proposed Project Thesis Title:

Web-Based Reservation System with 2D Map Path Finder using QR Code for CML Beach Resort & Water Park in Lemery, Batangas

B. Group No.:

3

C. Group Leader and Members:

Laman, Jaysse V.
Hernandez, Angel H.
Bruce, Jane Rose U.
Capul, Kaizer C.

D. Background of the Study: *(Discuss the problem background and why you decided to conduct the study. It should include information necessary to justify the existence of a problem situation/need/gap.)*

Beaches and resorts are well-liked vacation spots throughout the sweltering summer month for those looking to unwind, connect, and have fun. The CML Beach Resort & Water Park is a sizable resort with two outdoor pools, an event center, hotels, family rooms, day tour cottages, and more. It is situated in Nonong Casto, Lemery Batangas. The resort draws a lot of families and individuals because of its fame and attractiveness, which causes longer lines and slower service during busy times.

The researchers suggest a website with reservation system and a 2D map pathfinder to pro a more effective manner of providing services to visitors in order to address these issues. The suggested solution is in line with the hotel sector's trend toward web-based reservation systems. Furthermore, the 2D map guide and will aid visitors in navigating the resort's facilities with ease.

The common problem of reservations in beach resorts inspired the development of a web-b reservation system with a 2D map path finder using QR code for CML Beach Resort & Water Park. One of the main challenges faced by the resort was the difficulty of managing and

organizing reservations efficiently, leading to overbooking or double-booking of rooms and other services. This caused inconvenience and dissatisfaction among guests, which could negatively impact the resort's reputation and revenue. In addition, guests often experienced difficulty in navigating the vast resort complex, leading to confusion and delays in finding amenities and services. This problem was particularly evident during peak seasons, where the resort would receive a high volume of guests. To address these issues, the proposed system aims to simplify and streamline the reservation process, making it more convenient for guests to book rooms and other services online. The 2D map pathfinder will also help guests navigate the resort more easily and efficiently, reducing the chance of confusion and delays. By implementing this proposed system, CML Beach Resort & Water Park aims to enhance guest satisfaction, reduce operating expenses, and increase revenue.

There are several reasons why the proposed web-based reservation system with a 2D map pathfinder using QR codes for CML Beach Resort & Water Park can enhance visitor satisfaction, save operating expenses, and boost earnings.

First off, visitors' booking processes will be made simpler by the website's reservation syst Nowadays, it's common to make bookings online, and many visitors choose this option over more conventional ones. CML Beach Resort & Water Park may provide tourists a simple and practical way to reserve their stay, including rooms, villas, and other amenities, all from the comfort of their own homes or devices by putting in place a web-based reservation system. Increased bookings, higher occupancy rates, and ultimately higher revenue can result from this simplified procedure.

Second, a 2D map pathfinder might enhance visitors' overall experience. Visitors can simp tour the resort and find attractions like swimming pools, restaurants, and stores with the aid of this technology. This can reduce the risk of misunderstandings and delays, which can enhance customer satisfaction and increase the likelihood that they will return.

Lastly, the implementation of this system can help save operating expenses for the resort. By digitizing the reservation process and automating tasks such as room allocation and inventory management, the resort can reduce the need for manual labor and increase efficiency. This can result in cost savings and improved profitability.

E. Objective of the Study: (*The detailed statements or elaboration of the research goal. This section should be able to guide the students and the reader on what the proponents will need to do with respect to the development of the project.)*

The main objective of this proposed topic is to create a Website with Information Desk and 2D Path Finder Map that caters different services which includes reservations and payments as well as assisting guests to navigate their way around the resort. It specifically aims to develop the following functions:

The Map Path Finding function includes a General Resort Map Overview, 2D Map Locator, Point-to-Point Directions Guide, and Emergency Response Exit Plan to help visitors navigate the resort.User module that performs the following;

The Reservation function allows visitors to view Room/Cottage details, Pricing, Availabilit and make Online Mode of Payment, in addition to Customer Registration and viewing Announcements.

The Help Desk section of our proposed system offers an on-premise User QR Scan functi and allows staff to receive and manage customer and booking information.

The Admin module of our proposed system provides a range of features including managi reports and updates, user and content management, and handling feedback and requests.

F. Significance of the Study: *(This part will tell how the study would be beneficial to society, specific groups, or individuals.)*

Web Based Reservation with 2D Map Path Finder and QR Code for CML Beach Resort & Water Park will be beneficial to the following;

To the Owner of the Resort,

It can serve as an instrument to attract and promote their business to potential new guests. Additionally having a website can help establish credibility and presence in the internet, this can give the resort increase chances to gain more clients that can help with the further growth of the business.

To the Customers or Users,

They may benefit from this project through the convenience of finding locations of the facilities

and online room reservations. This could be time saving for the customers instead of manually looking for facilities within the resort.

To the Future Developers,

Future Developers may benefit to this project as the documents of the developed system may help them to discover other information that can be found within this work and it can serve as a reference for their research paper related to this topic.

G. Scope and Limitation of the Study: *(Discuss here the boundaries of the study and those likely part of the study and the researcher/s do not intend to accomplish or what the design of the study inherently will not allow.)*

Web Based Attendance Monitoring System using QR Code with SMS Notification can:

The proposed system for CML Beach Resort & Water Park includes several key features ai at improving the guest experience and streamlining operations. The Map Path Finding tool makes it simple for visitors to move around the resort and find amenities by providing a General Resort Map Overview, 2D Map Locator, Point-to-Point Directions Guide, and Emergency Response Exit Plan. The reservation function streamlines the booking process by allowing customers to view room/cottage details, view pricing, display availability, and make online payments. The Help Desk section provides further aid and support to visitors by performing On-premise User QR Scan, receiving customer and booking information, and delivering On-site Services. Finally, the Admin module can handle User and Content Management, Manage Reports and Updates, and Handle Feedback and Requests, enabling effective system management and enhancing overall operational efficiency.

The system can't:

Our proposed system has the limitation of being unable to accept payments from bank ac and It is not designed to operate without an active internet connection. So you need an active internet connection to open the website.

H. References:

Giousmpasoglou, C., Marinakou, E., & Paliktzoglou, V. (2013). Web-based hotel booking systems' architectural design, relational models and importance to the tourism industry: A review. Journal of Tourism, Hospitality & Culinary Arts, 5(1), 71-86.

Haywood, K. M., & Nahm, A. Y. (2019). Destination tourism: Strategies and experience. Cognella Academic Publishing.

Shin, D. H., & Lee, J. W. (2020). The effect of mobile augmented reality on tourist experiences in heritage sites. Journal of Travel Research, 59(2), 304-318.

Sigala, M., & Christou, E. (2020). Tourism and technology: Past, present, and future. Journal of Hospitality and Tourism Technology, 11(3), 379-384.