



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**MEJALA'S CLINIC ONLINE SCHEDULING
MANAGEMENT SYSTEM**

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PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY
COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY
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**In partial Fulfillment of the Requirements
for the degree of Bachelor of Science in Computer Science
College of Communication and Information Technology
President Ramon Magsaysay State University
Sta. Cruz, Zambales**

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College of Communication and Information Technology
Sta. Cruz, Zambales

APPROVAL SHEET

This, study entitled **“MEJALA’S CLINIC ONLINE SCHEDULING MANAGEMENT SYSTEM”** prepared and submitted by ARFAPO, CHRISTIAN RUIZ M, BAHIAN, LEM J, ELEJORDE, AHL JEROM, MEJALA, DONNALYN M, MOLINO, MARJORIE M, MOLINO, RINA B in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** are hereby recommended for oral examination.


JING JING GONGORA
Adviser

Approved by the Panel of the Oral Examiners on May 19, 2023 with a grade of _____.


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

05-26-23
Date Signed


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EXECUTIVE SUMMARY

Mejala's Clinic Online Scheduling Management System. Users/patients will be able to appoint their preferred schedule on the homepage. Admin/doctor can manage appointments of the users/patients either it was confirmed or cancelled and manage schedule settings when the doctor was not available.

This study made use of a descriptive method of research. The specific descriptive research technique used was a survey and analysis, to completely show an evaluation of the Mejala's Clinic Online Scheduling Management System.

The respondents perception towards the software quality of Mejala's Clinic Online Scheduling Management System in terms of ISO/IEC 20501 metrics: (a) Functional suitability, obtained an average mean 3.80 interpreted as Excellent; (b) performance efficiency, obtained an average mean 3.69 interpreted as Excellent; (c) compatibility, obtained an average mean 3.93 interpreted as Excellent; (d) usability, obtained an average mean 3.95 interpreted as Excellent; (e) reliability, obtained an average mean 3.95 interpreted as Excellent; (f) security, obtained an average mean 3.95 interpreted as Excellent; (g) maintainability, obtained an average mean 3.94 interpreted as Excellent; (h) potability, obtained an average mean 3.94 interpreted as Excellent.

The respondent's perception towards the level of acceptability of Mejala's Clinic Online Scheduling Management System: (a) Functionality, obtained an average mean 4.00 interpreted as Highly Acceptable; (b) performance, obtained an average mean 4.00 interpreted as Highly Acceptable.

The respondent's perception towards the level of readiness of Mejala's Clinic Online Scheduling Management System: (a) Facility, obtained an average mean 4.00



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interpreted as Very Ready; (b) technical personnel, obtained an average mean 4.00 interpreted as Very Ready.

The integration/provision of essential features was recommended to enhance systems performance and efficiency. This includes the following in order of preference and priorities, namely: (1) "auto generate text message every time the admin confirmed or cancelled the patients' appointment"; (2) "text message to the patients after approving or cancelling the appointment"; (3) "different panel for confirmed, cancelled, and pending"; (4) "automatic notification like (the doctor was not available) and red color in the calendar every time the doctor change the weekly schedule"; (5) "another log in page for the staff if ever the clinic grow bigger. The Mejala's Clinic Online Scheduling Management System is recommended for future research not only in Infanta, Pangasinan, but also for the clinic. It was recommended to the clinic to educate the users on how to use the Mejala's Clinic Online Scheduling Management System.