



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

TOURNAMENT MANAGEMENT APPLICATION FOR PRMSU

A Thesis

In Partial Fulfilment of the Requirements

For The Degree of Bachelor of Science in Computer Science

College of Communication and Information Technology

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CERTIFICATION

This, thesis entitled **“TOURNAMENT MANAGEMENT APPLICATION FOR PRMSU”** prepared and submitted by **Erwin John A. Ruanto, Mark Zaldrin M. Malay, and Mark Anthony S. Barrios** in partial fulfilment of the requirements for the degree of **Bachelor of Science in Computer Science**, has been examined and recommended for Oral Examination.



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ABSTRACT

This study aimed to address the challenges associated with manual data organization in sports and e-sports tournaments. The objective is to enhance efficiency and accuracy in tournament organization by implementing a digital solution that eliminates the need for traditional "pen and paper" or "on a board" record-keeping methods.

The research design employed in this study is a combination of descriptive and analytical approaches. Both quantitative and qualitative measurements will be utilized for data gathering. The primary respondents of the study are the sports officials and athletes involved in the tournament management application for PRMSU. The study involved a specific number of respondents.

Various research instruments were employed, including interviews, questionnaires, books, and internet sources. The collected data were analyzed using statistical tools such as the weighted mean and the Likert scale to compute and interpret the results.

Based on the perception of the sports officials, the tournament management application for PRMSU demonstrated excellent software quality. The system was also found to be moderately efficient, as perceived by both the sports officials and athletes.

In conclusion, the proposed tournament management application offers a more convenient and streamlined approach for sports officials and



athletes. By leveraging this application, tournament management becomes easier and more efficient, leading to improved organization and data utilization.

DECLARATION 1

ACKNOWLEDGEMENT 2

ABSTRACT 3

TABLE OF CONTENTS 4

LIST OF TABLES 5

LIST OF FIGURES 6

CHAPTER 1. THE PROBLEM AND ITS BACKGROUND

Introduction 7

Background of the Study 8

Theoretical Framework 9

Conceptual Framework 10

Statement of the Problem 11

Scope and Delimitations 12

Significance of the Study 13

Definition of Terms 14

CHAPTER 2. REVIEW OF RELATED LITERATURE

Foreign Literature 15

Local Literature 16

Conceptual Framework 17

Summary 18