

**WEB-BASED LEARNING SYSTEM FOR BACHELOR OF SCIENCE  
IN COMPUTER SCIENCE**

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COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**  
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**A Thesis  
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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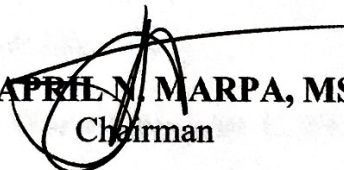
Republic of the Philippines  
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**APPROVAL SHEET**

This study entitled **"WEB-BASE LEARNING SYSTEM FOR BACHELOR OF SCIENCE FOR COMPUTER SCIENCE"** prepared and submitted by **CHARITA, MICHAELA JOY T., JAVIER, JECY PAUL R., MENDOZA, JHADE E., NAVARRO, NIÑO COSME T., NOVERA, JED, ULANDAY, LEO S.** in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** are hereby recommended for oral examination.

  
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Approved by the Panel of the Oral Examiners on August 17, 2023 with a grade of \_\_\_\_\_.

  
**JOHN APRIL M. MARPA, MSCS**  
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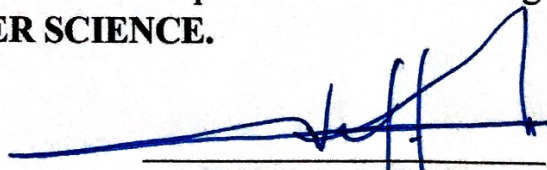
  
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Accepted and approved in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE.**

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## EXECUTIVE SUMMARY

The Web-based Learning System's high-quality software design has translated into a tangible impact on students' learning experiences. As they navigate the platform, students find that its functional sustainability offers a range of essential features, such as event updates and enrollment options which contribute to their engagement with course activities.

Based on the study's findings and recommendations, it is advised to improve the Web-based Learning System for BSCS's functionality by adding a real-time notification system for better user engagement, gamification components like badges and leaderboards to boost motivation, the possible integration of virtual labs or coding areas for practical application, and enabling users to share achievements on social media. These suggestions are meant to improve the learning process, encourage interaction, and boost user involvement in the system.