



President Ramon Magsaysay State University
San Marcelino Campus
College of Communication and Information Technology



AgriTek: A Computerized Farm Management System for President Ramon
Magsaysay State University San Marelino Campus

A Capstone Project Presented to the Faculty of the
Computer Science
College of Communication and Information Technology

In Partial Fulfilment of the Requirements for the Degree
Bachelor of Science in Computer Science

By

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PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY

San Marcelino Campus
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COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

APPROVAL SHEET

This capstone project entitled **AgriTek: A Computerized Farm Management System for President Ramon Magsaysay State University SM Campus (PRMSU SM)** prepared and submitted by **John Angelo I. Pabayo, Juan Paulo S. Valdez, Von Kyntly L. Camacho**, in partial fulfilment of the requirements for the degree **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** has been examined and recommended for approval.


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ABSTRACT

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Title: **AGRITEK: A COMPUTERIZED FARM MANAGEMENT
SYSTEM FOR PRESIDENT RAMON MAGSAYSAY STATE
UNIVERSITY SM CAMPUS**

Degree: **Bachelor of Science in Computer Science**

Adviser: **MR. ACE RYAN A. LABAMPA**

The purpose of this study is to develop an integrated farm management application that works on building a decision in order to facilitate the recommendation of fields, crops and trees solutions that a research user is looking for. This application is particularly concerned on farm management solutions including fertilizers, crops and trees varieties, and pesticides applications, additional allocation of inventory required to complete each task in the research farm, and immediate access of the user to navigate and open the request module to request the necessary resources in the research farm. Consultants can also post the daily to-do list for each supervised user, and the consultant can view the current status of this work, ensuring a better communication channel and easy record keeping. Finally, an early version of the system has been developed and tested.

Keywords: Farm Management, Fertilizer, Chemicals, Plants and Crops varieties