**ARLIN’S FARMVILLE**

**An Undergraduate Thesis Presented to the Faculty of the**

**College of Engineering and Computer Studies**

**Holy Name University**

**Tagbilaran City**

**by**

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**MAY 2021**

**APPROVAL SHEET**

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**Jayson, Bernadette, AJ**

**DEDICATION**

We dedicate this research study to the cherished individuals who have played pivotal roles in our lives, providing unwavering support, guidance, and encouragement throughout our academic journey.

To our beloved parents, who have been our unwavering pillars of strength and the source of endless love and support, we dedicate this study to you. Your belief in our abilities and your sacrifices have been the driving force behind our pursuit of knowledge. We are forever grateful for your unwavering support and unconditional love.

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**ABSTRACT**

This study involves developing a web-based farm management system for Arlin's Farm in Mabini, Bohol, to enhance the monitoring of chicken production and farm inventory. It aims to find more accurate and convenient methods for recording important information related to chicken production and farm inventory. The study also focuses on determining the processes involved in monitoring and managing chicken and egg production, identifying, and gathering relevant data such as chicken production details, egg production information, harvested and culled chicken or eggs, and scheduling of vaccines, medication, and farm activities. The system's main functions include monitoring the inventory of chicken production, egg production, chicken breeders, feeds, and medicines, as well as facilitating the scheduling and administration of medicine. It generates reports specifically for the feeds, medicine, and vaccines related to chicken and egg production, as well as farm inventory. Testing the system with the clients yielded positive feedback, based on satisfactory remarks from the evaluation tools used. The following are recommendations for future improvements; adding a finance module to monitor the farm’s total sales and expenditure, upgrade the system’s scheduling of vaccination and medications to update automatically, design and develop an offline mobile application of the system, expand the system’s notification functionality by using different notification methods on more farm processes, and adding more items into the inventory such as farm supplies.

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