

**DIGITAL MUSEUM OF NATURAL HISTORY FOR THE DEPARTMENT OF
BIOLOGICAL SCIENCES IN CAVITE STATE UNIVERSITY -
MAIN CAMPUS**

Undergraduate Thesis
Submitted to the Faculty of the
College of Engineering and Information Technology
Cavite State University
Indang, Cavite

In partial fulfillment of
of the requirements for the degree
Bachelor of Science in Information Technology

**MARY JANE T. HALNIN
KRIZEN B. LEONA**

May 2017

ABSTRACT

HALNIN, MARY JANE T. and LEONA, KRIZEN B. Digital Museum of Natural History for Department of Biological Sciences in Cavite State University – Main Campus. Undergraduate Thesis. Bachelor of Science in Information Technology, Cavite State University, Indang, Cavite. May 2017. Adviser: Mr. Mark Philip M. Sy.

The study aimed to develop a digital museum of natural history for the Department of Biological Sciences in Cavite State University – Main Campus. It aimed to create a web page and mobile scanner that will enable interaction with the end users. It intend to provide a reliable information to serve as a supplemental museum to people who wants to visit, especially those students who in line in science. The study also wants to resolves the issues regarding to organization.

The proponents used iterative development process methodology in the development of the study. The iterative development process consists of the following phases: requirement analysis, analysis and design, implementation, testing, and evaluation.

The digital museum of natural history of Department of Biological Sciences in Cavite State University – Main Campus was develop using Hypertext Preprocessor (PHP) as the scripting language; MySQL as the database technology for the data storage, Apache as the server, Android Studio as the platform for mobile scanner; Google Chrome as the default browser and Microsoft Word for documentation.

The system was assessed and evaluated using different testing methods namely: unit, integration, and system testing. After passing the tests, one hundred ten (110) participants evaluated the system. The overall interpretation of the results of the evaluation is Excellent.

TABLE OF CONTENTS

	Page
APPROVAL SHEET	ii
BIOGRAPHICAL DATA	iii
ACKNOWLEDGMENT	iv
ABSTRACT	vi
LIST OF TABLES	ix
LIST OF FIGURES	X
LIST OF APPENDICES	xi
LIST OF APPENDIX TABLES	xii
LIST OF APPENDIX FIGURES	xv
INTRODUCTION	1
Statement of the Problem.....	2
Theoretical Framework	3
Objectives of the Study.....	4
Significance of the Study.....	6
Time and Place of the Study.....	7
Scope and Limitationof the Study.....	7
Definition of Terms.....	9
REVIEW OF RELATED LITERATURE	11
Related Studies.....	15
MATERIALS AND METHODS	18
Materials.....	18

Methods.....	18
RESULTS AND DISCUSSION.....	23
SUMMARY, CONCLUSION, AND RECOMMENDATIONS.....	46
Summary.....	46
Conclusion.....	47
Recommendations.....	48
REFERENCES	49
APPENDICES.....	51