GEOGRAPHIC INFORMATION SYSTEM (GIS) OF SENIOR HIGH SCHOOLS IN THE PROVINCE OF CAVITE

An Undergraduate Thesis
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ABSTRACT

MANALANG, SHIELA MARIE M. and PALOMA, JESSON D. Development of Geographic Information System (GIS) of Senior High School in the Province of Cavite. Undergraduate Thesis Bachelor of Information Technology. Cavite State University, Indang, Cavite. May 2017. Adviser: Mr. Mark Philip M. Sy.

The study was conducted to provide a Geographic Information System (GIS) to help the user especially the students to find a school which offers Senior High School. It also aims to show the various strands offered by the schools, to locate schools near the students and to locate what school offers specific strands near them. The study seeks to help the users to locate possible routes from their current location to their destination.

The following software were used to develop the system: HTML, CSS, JavaScript and PHP as the scripting language, Adobe Photoshop for the design, MySql as the database and Google map API for the map.

The researchers used the Interative/Incremental Development Process Methodology as their guide in developing the system. They went through different phases to perform different activities that are related to the system development. These include planning, analyzing the system requirements, designing the system, implementation phase and preparing the implementation plan.

The system was evaluated by the respondents based on the given criteria: functionality, reliability, user-friendliness. Evaluators were composed of Grade 10 students, IT experts and Division Office of Trece Martirez staff. The system passed all the given criteria in evaluation and met all the targeted features and functionality as well as the requirements and its objectives.

TABLE OF CONTENTS

	page	
BIOGRAPHICAL DATA	iii	
ACKNOWLEDGEMENT	1V	
ABSTRACT	vi	
LIST OF TABLES		
LIST OF FIGURES	xi	
LIST OF APPENDIX FIGURES	Xii	
LIST OF APPENDICES	xiii	
INTRODUCTION	1	
Statement of the Problem	2	
Objectives of the Study	4	
Significance of the Study	4	
Scope and Limitation of the Study	5	
Time and Place of the Study	6	
Theoretical Framework	7	
Definition of Terms	9	
REVIEW OF RELATED LITERATURE	12	
METHODOLOGY		
Materials	17	

	Method	17
RES	SULTS AND DISCUSSION	22
	System Overview	24
	Software Evaluation	34
SUI	MMARY, CONCLUSION, AND RECOMMENDATIONS	53
	Summary	53
	Conclusion	54
	Recommendation	55
RE	EFERENCES	56
AP	PPENDICES	57