

INFORMATION DISSEMINATION OF ANTI-SEXUAL  
HARASSMENT: A MOBILE APPLICATION

THESIS

REGINA TRISHA F. CRUZATE  
JOHN CARLOS B. MOJICA

College of Engineering and Information Technology

CAVITE STATE UNIVERSITY

Indang, Cavite

Cavite State University (Main Library)



T7143

THESIS/SP 004 C88 2017

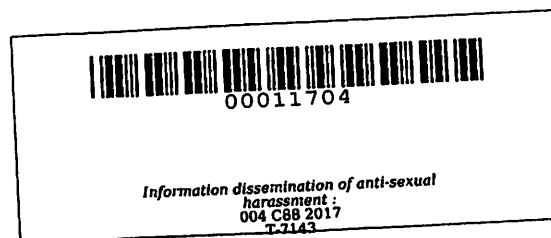
May 2017



**✓ INFORMATION DISSEMINATION OF ANTI-SEXUAL HARASSMENT: A MOBILE APPLICATION**

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

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



**REGINA TRISHA F. CRUZATE**  
**JOHN CARLOS B. MOJICA**  
May 2017

## ABSTRACT

**CRUZATE, REGINA TRISHA and MOJICA, JOHN CARLOS B. Information Dissemination of Anti-Sexual Harassment: A Mobile Application** Bachelor of Science in Information Technology, Cavite State University, Indang, Cavite. May 2017. Adviser: Ms. Charlotte B. Carandang.

The study aimed to give information to the larger scale of viewers especially to the students and employees of the University or even outside the campus. This was to innovate the current disseminating of information regarding the Anti-Sexual Harassment campaign of the Gender and Development Cavite State University Main Campus.

The mobile application was capable to display information, view multimedia and interactivity part to the users in able to measure if they were informed well. It consists of two modules; one for the students and the other one for the employees. This has same functions in each module, but with different contents. Each module has four parts namely: Anti-Sexual Harassment Law, Awareness Cases, Frequently Asked Questions and Take a test.

Agile development methodology was used as to progressively complete the entire mobile application, which include the initiation and analysis phase, design and construction phase, and testing and evaluation phases. The initiation and analysis consists of identifying the project, gathering of information and determining ideas based on the analyzed data. For the design and construction phase, blueprint of the project and the developing of the actual code will be done. The system should be working as a whole and functioning well. In the testing and development phase, the actual application was assessed by the developers and by the sample end users who can give feedbacks. By the

end of this phase, the system was evaluated if each module meets their specifications and requirements.

In developing the application, the developers used Java as the main programming language, Extensible Markup Language (XML), Adobe Photoshop Cs6, Bluestacks and Microsoft Word 2010.

The system was evaluated by the students and employees in Cavite State University Main Campus. The criteria for the software evaluation were functionality, reliability, usability, and user-friendliness. Based on the evaluation results of the evaluation, the mobile application passed and was able to comply with all the requirements as it met its specifications.

## TABLE OF CONTENTS

	Page
BIOGRAPHICAL DATA .....	iii
ACKNOWLEDGEMENT .....	v
ABSTRACT .....	vii
TABLE OF CONTENTS .....	ix
LIST OF FIGURES .....	xi
LIST OF TABLES .....	xii
LIST OF APPENDIX FIGURES .....	xiii
LIST OF APPENDICES .....	xiv
INTRODUCTION .....	1
Statement of the Problem .....	2
Objectives of the Study.....	3
Significance of the Study .....	4
Time and Place of the Study .....	4
Scope and Limitation of the Study .....	5
Theoretical Framework .....	7
Definition of Terms .....	9
REVIEW OF RELATED LITERATURE .....	11
REVIEW OF RELATED STUDIES .....	21
METHODOLOGY .....	26
Materials .....	26
Methods .....	26
RESULTS AND DISCUSSION .....	32

Requirements Gathering and Analysis.....	32
Mobile Application Overview.....	34
Software Testing.....	45
Software Evaluation .....	45
<b>SUMMARY, CONCLUSION AND RECOMMENDATION .....</b>	<b>55</b>
Summary .....	55
Conclusion .....	57
Recommendation .....	58
<b>REFERENCES .....</b>	<b>59</b>
<b>APPENDIX FIGURES.....</b>	<b>60</b>

## LIST OF FIGURES

Figure	Page
1 Theoretical Framework of Anti-Sexual Harassment: A Mobile Application.....	7
2 Agile Development Methodology .....	28
3 Screenshot of the flash screen .....	34
4 Screenshot of the homepage.....	34
5 Screenshot of navigation pane.....	35
6 Screenshot of the about page.....	36
7 Screenshot of the help desks.....	36
8 Screenshot share app module.....	37
9 Screenshot of the student module.....	38
10 Screenshot of the employee module.....	39
11 Screenshot of the anti-sexual harassment law.....	39
12 Screenshot of viewing the law.....	40
13 Screenshot for viewing the multimedia campaigns.....	41
14 Screenshot of viewing images.....	41
15 Screenshot of viewing video.....	42
16 Screenshot for viewing the FAQ's.....	43
17 Screenshot of playing the test evaluation module.....	43
18 Screenshot of displaying score in test module.....	44

## LIST OF TABLES

Table		Page
1	Comparison of Related Studies.....	25
2	Functionality of the system .....	46
3	Distribution of Respondents' Evaluation Based on the Functionality of the System.....	47
4	Reliability of the System.....	48
5	Distribution of Respondents' Evaluation Based on the Reliability of the System .....	48
6	Usability of the System.....	49
7	Distribution of Respondents' Evaluation Based on the Usability of the System.....	50
8	User-Friendliness of the System.....	51
9	Distribution of Respondents' Evaluation Based on the User-Friendliness of the System.....	52
10	Over-all Rating of the System.....	53
11	Distribution of Respondents' Evaluation Based on the Over-all rating of the System.....	54



## LIST OF APPENDIX FIGURES

<b>Appendix Figures</b>		<b>Page</b>
1	Fishbone Diagram of Limited number of Participants in the Seminar that was held on occasional basis .....	61
2	Fishbone Diagram of Person was not aware if she/he is sexually harassed.....	62
3	Fishbone Diagram of Ineffective Dissemination of Information.....	63
4	Use case Diagram for Student Module.....	64
5	Use case Diagram for Employee Module.....	65
6	Use case Diagram for Test Evaluation Module.....	66
7	Activity Diagram for Student Module.....	67
8	Activity Diagram for Employee Module.....	68
9	Sequence Diagram for the Users (Student/Employee).....	69
10	Gantt Chart.....	70

## LIST OF APPENDICES

<b>Appendix</b>	<b>Page</b>
1 Sample Evaluation Form.....	72
2 Sample Source Code .....	74
3 Unit Testing Version 1.....	81
4 Unit Testing Version 2.....	86
5 Unit Testing Version 3.....	90
6 Approved Forms and certificate.....	95

# INFORMATION DISSEMINATION OF ANTI-SEXUAL HARASSMENT: A MOBILE APPLICATION

**Regina Trisha F. Cruzate**  
**John Carlos B. Mojica**

---

An undergraduate thesis manuscript submitted to the faculty of the Department of Information Technology, College of Engineering and Information Technology, Cavite State University, Indang, Cavite in partial fulfillment of the requirements for the degree of Bachelor of Science in Information Technology. Contribution No. CEIT-2016-17-2-190. Prepared under the supervision of Ms. Charlotte Carandang.

---

## INTRODUCTION

Gender and Development (GAD) focuses on the differences between men and women and its various issues that incorporated in the development. It supports the principle of the equality between men and women that was written in the Philippine Constitution. GAD agenda also complies with Adopting the Philippine Plan for Gender-Responsive Development (PPGRD) and Magna Carta of Women (MCW) that requires the agencies, government departments, bureaus, state universities, colleges to incorporate the concerns of GAD and to adopt gender mainstreaming.

One of the main issues address by the office is Sexual Harassment. It involves unwelcome sexual advances, favor or demand through the form of physical, verbal and use of objects with sexual under-pinning. Cases could be committed to a work, training,