Computer Aided Instruction for Digital Signal Processing

A Project Study

Presented to the Faculty of the

College of Architecture, Engineering and Technology

De La Salle University – Dasmariñas

In Partial Fulfillment

Of the requirements for the Degree of

Bachelor of Science in Electronics and Communications Engineering

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ABSTRACT

Title: Computer Aided Instruction for Digital Signal Processing

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Degree: Bachelor of Science in Electronics and Communications Engineering

In order to augment the needs of students enrolled in digital signal processing, the authors came up doing CAI "Computer – Aided Instructions which serves as supplementary materials to be able to deepen their understanding on the signal processing.

This project study was formulated using different programming and web applications. It was done using Adobe, CS3 professional software that is downloadable and contains several applications: Adobe flash for creating animations and graphics, Adobe dreamweaver for website layout and design, Adobe fireworks for color rendering, Adobe video encoder for uploading videos, Sony sound forge 9.0 for audio recordings and moodle for graphical user's interface and other web applications.

It was embedded with a detailed discussion in various topics in digital signal processing specifically on analog signal processing. At the end of every topic there's an exercises presented to enhance students mastery of the subject matter. They have given the chance to test their capability and ability to analyze problems and discussions relevant to the course through series of examinations.

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TABLE OF CONTENTS

		Page
Title Page		i
Approval Sheet		ii
Abstract		iii
Acknowledgement		v
Table of Contents		iv
List of figures		ix
Chapter		
1	**INTRODUCTION**	10
	1.1 Background of the study	11
	1.2 Statement of the problem	11
	1.3 Objectives	12
	1.3.1 General Objectives	12
	1.3.2 Specific Objectives	12
	1.4 Scope and limitations	12
	1.5 Significance of the study	13

1.6 Conceptual Framework 13

2 REVIEW OF RELATED LITERATUR 16

2.1 Computer – Aided Instructions 16

2.3 Signal Processing 18

3 RESEARCH METHODOLOGY AND PROCEDURES 24

3.2 Design Consideration 24

3.3 System Block Diagram 26

Data Gathering 28

4 PRESENTATION OF RESULTS AND FINDINGS 36

4.1 Course Coverage 36

4.2 Process Flow Diagram 37

Test Procedure 45

5 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

5.1 Summary 59

5.2 Conclusions 59

5.3 Recommendations 60

ATTACHMENTS **61**

Faculty Survey sheets 62

ECE Survey sheets 63

BIBLIOGRAPHY **65**

APPENDICES

A. CERTIFICATION OF PROOF READING 64

B. PROGRAMMING SOURCE CODE 65

C. GANTT CHART 82

D. Accomplished Survey Forms 84

E. Curriculum Vitae 86

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LIST OF FIGURES

Figures	Page
Figure 3.1	26
Figure 3.2	27
Figure 3.3	31
Figure 3.4	32
Figure 3.5	33
Figure 3.6	34
Figure 3.7	35
Figure 4.1	37
Figure 4.2	38
Figure 4.3	39
Figure 4.4	40
Figure 4.5	41
Figure 4.6	42
Figure 4.7	43

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Figure 4.8 44

Figure 4.9 46

Figure 4.10 47

Figure 4.11 48

Figure 4.12 49

Figure 4.13 50

Figure 4.14 51

Figure 4.15 51

Figure 4.16 52

Figure 4.17 53

Figure 4.18 53

Figure 4.19 54

Figure 4.20 55

Figure 4.21 55

Figure 4.22 56

Figure 4.24 57

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