

DEVELOPMENT OF SMART CLASSROOM IN THE
DEPARTMENT OF INDUSTRIAL ENGINEERING
AND TECHNOLOGY

Design Project

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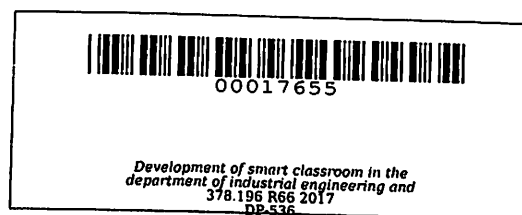
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**DEVELOPMENT OF SMART CLASSROOM IN THE DEPARTMENT OF
INDUSTRIAL ENGINEERING AND TECHNOLOGY**

Undergraduate Design Project
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 Industrial Technology
major in Electronics Technology



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ABSTRACT

ROÑO, JOHN PATRICK C. and MOJICA, LESTER B. Development of Smart Classroom in the Department of Industrial Engineering and Technology. Design Project. Bachelor of Industrial Technology – Major in Electronics, Bachelor of Industrial Technology – Major in Electrical. Cavite State University, Indang, Cavite. May 2017. Adviser: Ms. Fatima B. Zuniga.

The Department of Industrial Engineering and Technology Display Room was successfully installed with some features of a Smart Classroom for instructional aid for the faculty of Department of Industrial Engineering and Technology. These are Smart Television, wireless amplifier at microphone and lighting system. The study focuses on the application of wireless system and sensors.

The development of the smart classroom was constructed in many different ways and strategies. These are canvassing and procurement of the materials, fabrication of cases, installation of motion sensor and LED light, assembling the wireless amplifier and wireless lappel. The lighting system is controlled by a dimmer which can be controlled by a remote in increasing and decreasing the luminescence of the light and it also has a function in blinking state. This study also helped the instructor of the Department of Industrial Engineering and Technology in aiding the education catered by the Cavite State University.

After the evaluation, the total average mean was 4.73 where in its descriptive rating is outstanding. It concludes that the design project was proven to be useful for both the instructors, faculty and the students of Department of Industrial Engineering and Technology.

TABLE OF CONTENTS

	Page
APPROVAL SHEET	ii
BIOGRAPHICAL DATA	iii
ACKNOWLEDGMENT	vi
ABSTRACT	vii
LIST OF TABLES	x
LIST OF FIGURES	xi
LIST OF APPENDIX TABLES	xiii
LIST OF APPENDIX FIGURES	xiv
LIST OF APPENDIX	xv
INTRODUCTION	3
Statement of the Problem	4
Objectives of the Study	5
Significance of the Study	5
Scope and Limitations of the Study	6
Time and Place of the Study	6
Definition of Terms	7
REVIEW OF RELATED LITERATURE	12
METHODOLOGY	22
Materials	22
Methods	23
Project Design	24

Project Development	31
Pre-testing of the Components	35
RESULT AND DISCUSSIONS	40
Project Description	41
Project Structure	41
Project Evaluation	44
SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	48
Summary	48
Conclusions	49
Recommendations	49
REFERENCES	50
APPENDICES	52

LIST OF TABLES

Table		Page
1	List of materials used in the development of a smart classroom	21
2	Grading system and its equivalent	40
3	Descriptive rating equivalents	40
4	Evaluation of the design project	46
5	Evaluation of the descriptive rating	47

LIST OF FIGURES

Figure		Page
1	Conceptual framework of the design project	10
2	Sensor – enabled farming.....	14
3	Phone oximeter	15
4	Smart office	16
5	Classroom technology	17
6	Main PIR sections	20
7	Front view of the amplifier case	25
8	Side view of the amplifier case	25
9	Top view of the amplifier case	26
10	Isometric view of the amplifier	26
11	Electrical floor plan of DIET display room	27
12	Side view of the speaker case	28
13	Top view of the speaker case	28
14	Front view of the speaker case	29
15	Top view of the speaker case	29
16	Block diagram of the amplifier.....	30
17	Block diagram of the lighting system.....	31
18	Smart classroom audio and video components	40
19	Smart classroom lighting system	41
20	Wireless amplifier	42

21	Lighting system (LED light and motion sensor)	43
22	Light controller and LED light	43

LIST OF APPENDIX TABLES

Table		Page
1	Budgetary estimate	54
2	Computed mean based on the result of the evaluation of electronics technology students.....	64
3	Computed mean based on the result of the evaluation of electronics engineering students.....	65
4	Computed mean based on the result of the evaluation of electronics technology students.....	66
5	Computed mean based on the result of the evaluation of instructors.....	67

LIST OF APPENDIX FIGURES

Figure		Page
1	Gantt chart	57
2	Drilling of holes in the amplifier case	59
3	Painting of the amplifier case	59
4	Covering the amplifier case	60
5	Application of braces of the amplifier case	60
6	Assembly of light indicator	61
7	Installation of motion sensor.....	61
8	Installation of LED lights	62

LIST OF APPENDICES

Appendix		Page
1	Budgetary Estimate	53
2	Gantt Chart	56
3	Pictures taken during the fabrication	58
4	Summary of Means	63
5	Evaluation Instrument	68
6	Accomplished Evaluation Form	71
7	Researchers Profiles	74
8	Forms	77

DEVELOPMENT OF SMART CLASSROOM FOR THE DEPARTMENT OF INDUSTRIAL ENGINEERING AND TECHNOLOGY

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INTRODUCTION

Today, technology is making our life much easier and better. Modern technology is machinery that makes life easier. Technologies like microwave ovens cook food easily without using any stoves and making a big mess. Dishwashers put all dirty dishes into the dishwasher and it washes them automatically. Modern technology makes things easier to use and it can save time when it is compared in the old fashioned way. Often a country's level of modernization is measured by the ease with which people can communicate with each other. But modern technology also has created problems. Technology creates financial problems in families because most technologies are expensive to buy like the computers, televisions, refrigerators, DVD system, and home theatre systems.