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

Design Project

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

Undergraduate Design Project
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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 lapel. 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.

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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.