

AUTOMATED LAYOUTING TOOL FOR COMPUTER LABORATORY

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 of
Bachelor of Science in Computer Science

JUNE REY A. CORTEZ
ADRIAN PAUL Q. LIVETA
April 2013

ABSTRACT

CORTEZ, JUNE REY A. and LIVETA, ADRIAN PAUL Q., Automated Layouting Tool for Computer Laboratory. Undergraduate Thesis, Bachelor of Science in Computer Science. Cavite State University, Indang, Cavite. April 2013. Adviser: Mr. Mark Steve Poniente.

The software produced three different types of layouts of a computer laboratory. The produced design was saved as image and can be printed by using Microsoft One Note.

Prototyping model was used in the development of the software. It consists of the following phases: prototype requirement, prototype design, prototype system and test and evaluation.

The following are the specifications of the computer used in developing the software: Core 2 Duo processors @ 2.00 GHz running in Microsoft 7 Professionals, 2GB RAM Memory and 195 GB of hard disk space. Microsoft Visual Studio 2010 was used as the programming language and Microsoft Word 2007 for the documentation of the software.

The software was evaluated based on the given criteria: functionality, reliability, usability, efficiency, maintainability, and portability. Evaluators were composed of Cavite State University students and computer literate people. The software passed all the given criteria during the evaluation and met all the requirements.