ONLINE COMPUTER-AIDED INSTRUCTION IN PHYSICS 2: ELECTRICITY AND MAGNETISM WITH INTRODUCTION TO OPTICS FOR DE LA SALLE UNIVERSITY – DASMARIÑAS

An Undergraduate Research Proposal

Presented to the Computer Studies Department

College of Science

De La Salle University – Dasmariñas

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Abstract

The Online Computer Aided Instruction in Physics 2: Electromagnetism with Introduction to Optics was proposed as a supplement to the teaching methods of professors in De Lasalle University – Dasmarinas so that the students will have an alternative learning method to their traditional learning approaches. The system will be built on World Wide Web technologies using development tools and will be operated entirely online and is semi-automated to provide teachers and students alike with easy access to lessons, quizzes and grades.

In addition, the proponents will develop a useful and proficient system for De Lasalle University – Dasmarinas. There will be automation of computing grades, rendering premade lessons which will include documents in PDF file, videos, flash and interactive games involving the subject. The system will also provide an easy access to lessons which can be downloaded or printed, tables of students' status and performance.

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