

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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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.

