

A project proposal

(TEST005.0: Introduction to the tutor-web)

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April 18, 2012

Executive summary

Historical notes

Experience defines the current project

- The system must be very modular, based on open standards and provide access to raw material
- Most of the work is in the preparation of material, not in programming.
- Large pools of instructors are willing to cooperate. Students and retirees can assist with material.
- Students will go to extremes to obtain a high grade. Most students prefer web-based grading to homework.
- Web-based quiz schemes should be dynamic so students can keep requesting quiz questions.
- Grading schemes are more difficult in the web-based environment.
- Low-income situations need to be researched for the potential level of cooperation.

Introduction

This project consists of three main components,

- research on computer-aided education,
*development of an on-line system of education and
- implementation of a free on-line university.

This proposal contains R\&D-work on general methods for dissemination of teaching material, including self-evaluation, information storage methods and computer-based presentation to students at any level. The resulting open-source and open-content “tutor-web” has also been used for research into educational methodology.

Project synopsis: Computer-assisted learning

- research aspects include: formal evaluation of the learning involved in using different procedures for on-line and interactive testing.
- technological development includes: developing completely open web-based university-level graduate degrees.

Computer-assisted in-class learning

The design of the “tutor-web”

Next-generation “tutor-web” design and development