

From: Charles Pheatt
To: Scott, Larry
Date: 3/26/2008 12:14 PM
Subject: Re: Fwd: need information please

Outreach: Activities regarding high schools

Project: Engaging Students with Randomness

Purpose: The purpose of this project is to improve ESU and participating high school student's chances for achieving his or her academic goals by linking them to resources and support not otherwise available. The goal is to engage participating students in a real research activity.

Objective: This proposal will facilitate the creation of a student-centered learning experience that promotes positive citizen involvement in the community. ESU students will be working directly with high school students in the community in assessing hardware random number generators. In this activity, ESU students will be joining with faculty (as well as with participating high school students) to conduct research on a hardware random number generators.

Project: This pilot project hopes to answer the question, "Can we really generate random numbers that are truly random?". ESU students will develop hardware and software to implement true random number generators (TRNGs) to be distributed to local high school students. The high school students will run the TRNGs on their computers and report the results electronically to an ESU web server.

Project Status: A CS student is completing software development for the high school student client machines as well as developing the web based software required for communication. C. Pheatt has completed design and development of the embedded system software and TRNG hardware to generate the random values. Hardware and software will be deployed Fall, 2008.

Funding: This project was funded under the FY2008 Academic Enhancement Funding mechanism.

Additional Details:

http://pheatt.emporia.edu/portfolio/2007/academic_enhancement_august_2007/PHEATT_BALLESTER_PROGRAM_PROPOSAL_FOR_%202007_01.pdf

<http://pheatt.emporia.edu/portfolio/2007/fy2008academicenhancementsummary.pdf>

>>> Larry Scott 3/26/2008 10:22 AM >>>

Hi,

Please list activities you have been involved in that I should send to the Dean.

Thanks,
L. Scott

>>> Steven Brown 3/26/2008 9:22 AM >>>

Sorry for the short turn-around - please don't worry about format, structure, etc; we just need some bullet points.

The VPAA needs a list of any outreach activities regarding high schools, minorities, community involvement or any other type of outreach your department or faculty members may have done this past year (Summer '07 through the present). These may be on-campus or off.

Thanks for any assistance.

sfb