ATAC-09-36

Collaborative projects will be given higher preference at every stage of the Tech Fee process

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Project Title: (What / Where) _____Digital Lab Equipment _____

Contact: Chih-Cheng Hung_ ***Email:***_ chung@spsu.edu_ ***Phone:***_ x3574_____

Collaboration

COLLABORATIVE PROJECTS WILL BE GIVEN PREFERENCE AT EVERY STAGE OF THE TECH FEE PROCESS & A MINIMUM of 15% OF TECH FEE MONIES WILL BE AWARDED TO COLLABORATIVE PROJECTS

If this ***is*** a collaborative project:
- What two or more departments/groups will use benefit from this project?

- How will this collaboration benefit each department?

- What arrangements have been made for sharing equipment?

If this project is ***not*** a collaborative proposal:
- What can be done to make the project useful to other departments and groups on campus?
Any vacant time slots in this digital design lab are available campus wide on a first-come-first-served basis. Thus the proposed improvements are potentially available to all SPSU students.

Project Description
(Explain what your project is, why you need it, and what materials and maintenance are involved.)

This is a proposal to purchase equipment for the CSE Digital Design Lab. The current equipment is not enough for a large number of students who enroll in the digital design and computer architecture classes.   Specifics are:

24 solderless Breadboards 30 @ $18.95	$450
Lot integrated circuits 300 pieces @ .40	$120
Buffered Trigate chip 36 @ 2.6	$97
IDL 800 lab trainer 9 @ 279	$2511
Logic Probes 6 @ 30	$180
Drawer cabinet for ic storage 1 @ 50	$50
	$3408

Examples of past Tech Fee projects can be found at www.spsu.edu/techfee

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Request Summary

	Project Total $	**$ Tech Fee Request**
Equipment	**$3408**	**$3408**
Software		
Supplies		
Maintenance		
Salaries		
Other		
TOTAL	**$3408**	**$3408**

• Is this a continuation of a previous tech fee proposal? _____ Yes _**X**_ No
  If yes, what proposal number? _____

•What is the "life expectancy" of the equipment to be acquired? **+10 years**

• If the project requires a maintenance agreement, how will it be funded in the future? **N/A**

• Who will manage and support the requested resources? **Chih-Cheng Hung**

• Has space been approved to house equipment for this project? **Yes, J261**

• Criticality of project: **Students in cse digital classes are assigned lab exercises in which they construct an electronic device on a breadboard. Today groups of up to 4 students work together to complete lab exercises. This is a proposal to acquire additional equipment to permit up to 36 students in a class to work independently to complete lab exercises. The proposed configuration will permit each student to work independently to complete assigned lab exercises. They will have an opportunity to learn more and their grades can be based on individual work rather than group results.**

• Courses supported: **CS2223, CS3223, CS5223, and CS6223.**

• Number of students served: **more than 150**

• Relevance to Regents Guidelines: (see: http://www.spsu.edu/techfee/)
This proposal is relevant to the following Regents Guidelines:

Guideline 1. Technology fee revenues should be used primarily for the direct benefit of students.
The proposed equipment will directly benefit students by improving delivery of instructional materials and thereby assist them in meeting educational objectives of the academic programs.

Guideline 3. Technology fee revenues should be used for hardware and network related expenditures that include general purpose or special purpose laboratories used by students for productivity and more discipline- related activities.
The proposed equipment will support improvements in classrooms assigned to the Computer Science Department. The Computer Science gets first choice of time slots for scheduling classes in this room, but any vacant time slots are available campus wide on a first-come-first-served basis. Thus the proposed improvements are potentially available to all SPSU students.

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Partial Funding Options (optional)
*(If possible, list potential partial funding options, along with a **brief** description of how partial funding will impact the success of the project)*

Approvals

1. *Departmental Approval*
• *Proposals from students/student organizations require the signature of a faculty/staff advisor.*
• *Proposals from academic areas require the signature of their dean, or the VPAA.*
• *Proposals from staff require the signature of the department or division director.*
Approved by: _____ Title:
_____
(Please print name)
Additional comments or conditions attached?
Signature: _____ Date: _____ ? Yes ? No

2. *IT Division Approval*
Projects with computer or information technology must be reviewed by IT staff prior to submission to Tech Fee.
Reviewed by: _____ Title:
_____
(CIO or IT designee)
Additional comments or conditions attached?
Signature: _____ Date: _____ ? Yes ? No

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