Proposal for the Use of the FY2002 Technology Fee

To equip and enhance Classroom 2000

Submitting Organization(s): Computer Information Systems, Robinson College of Business

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1. Executive Summary

<table>
<thead>
<tr>
<th>25 Word Project Description</th>
<th>One-time Costs</th>
<th>Ongoing Costs</th>
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</thead>
<tbody>
<tr>
<td>The funding will enhance student learning using a technology classroom in which students may optionally use their laptop computer or use GSU’s laptop computer.</td>
<td>$150,000</td>
<td>$9,600</td>
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2. Project Description

The Robinson College of Business joined with Information Systems and Technology in creating Classroom 2000 (100 CS) using project funds from a previous grant. This project created a unique and advanced classroom oriented toward technology learning in which material was immediately captured for student use through web sites. The project involved student workstations where students could position their laptop computers and connect these directly to the Internet and the online course materials for in-class exercises. Many students have no laptop computer and instructional design cannot take full advantage of the advanced classroom design as a result. Since not every student has a laptop, the classroom pedagogy cannot assume in-class computer support for each student or student team.

There is an advantage to students when their own laptop computer is used during classroom activities involving advanced information technology tools and software. Numerous and large computer files required to move a project from one workstation to another. CD-Rom sized media may be necessary. Software installation may be necessary. Particular configurations of such software may be necessary in order to complete such tasks, and students have to replicate classroom configurations on their home computers in order to begin work on home assignments. Instructors available during class time to assist with configuration, installation or data transfer issues are less accessible to students working on assignments at home.

The proposed project will not provide every student with a laptop computer, but it will enable those students and student teams who possess laptops to take advantage of the ability to bring their own laptop computer into the classrooms. For classroom activities, students may optionally choose to use their own laptop computer or the GSU laptop computer.

The proposed project would complete the intended functionality of the classroom by provisioning each student workstation (worksurface) with a laptop computer connected to the Internet and stowed in a front-mounted storage basket. These workstations current have active power and Internet connections. The students may configure their worksurface in one of three ways.
(1) The laptop can be stowed off of the worksurface in the front-mounted storage basket. The full worksurface can then be used as a normal desk for workpapers, books, etc., In this configuration the classroom serves as a it currently serves: a classroom with an advanced instructor workstation and web capture capability.

(2) The laptop can be removed from the front-mounted storage basket, placed on the student worksurface and operated as necessary during classroom activities. In this configuration, the classroom serves as a full-technology classroom with advanced instructor workstation and web capture capability.

(3) The GSU laptop can be stowed off of the worksurface in the front-mounted storage basket. The student can place their own laptop on the student worksurface and operated as necessary during classroom activities. In this configuration, the classroom serves as a full-technology classroom allowing students to use their own laptops, together with advanced instructor workstation and web capture capability.

This configurable classroom arrangement represents a hybrid technology classroom in which students may optionally use their own laptop computers. This capability enables students to work at home on their own laptop computer, and bring that homework, along with the laptop computer used to develop the homework, into the classroom. Similarly, students using their own laptop computer during in-class activities will be able to carry this work home along with the laptop computer used to develop the classroom material.

The Laptop computers will be secured to the workstations by security devices. Graduate assistants will be available to monitor and assist students with their workstation configuration.

3. Relevance to Regents Guidelines

This proposal is relevant to Regents guidelines [1] and [3]. The expenditures will directly benefit the students in meeting the educational objectives of the advanced information systems and other programs being delivered in Classroom 2000. The expenditures are primarily for hardware and network support in a special-purpose classroom laboratory for student workstations and course-related Internet connectivity.

4. Justification of One-time Funding Requirements

To fully accomplish the goals, the following one-time equipment and support will be needed.

<table>
<thead>
<tr>
<th>Component</th>
<th>Estimated Cost</th>
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<tbody>
<tr>
<td>Laptop Computers (50)</td>
<td>135,000</td>
</tr>
<tr>
<td>Security Devices (50)</td>
<td>5,000</td>
</tr>
<tr>
<td>Stowage Baskets (50)</td>
<td>2,500</td>
</tr>
<tr>
<td>Security and Stowage Installation</td>
<td>7,500</td>
</tr>
<tr>
<td>Total</td>
<td>150,000</td>
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</tbody>
</table>

5. Continuing Funding Requirements

| Support staff (GA)                  | 9,600          |

6. Accountability of Funds
All funds will be expended through the Robinson College of Business and will be segregated by the Computer Information Systems Department budget to permit full accountability.

7. Additional Funding Required, Non-Technology Fee

None.

8. Impact on Computing/Network Infrastructure

Except for the continuing need on campus for additional bandwidth, no impact.