

## FY 2008 Technology Fee Proposal

---

Submitting Organization: IS&T  
Major Unit: Assoc Provost  
Department: Information Security

Contact Person: Tammy L Clark  
E-Mail: tlclark@gsu.edu  
Telephone: 404-463-9612

### 1. Project Short Title

<i>5-8 Word Project Title</i>
-------------------------------

<u>Sensitive Data Encryption</u>
----------------------------------

### 2. Total Requested

Fiscal Year 2008
------------------

\$ 75,000
-----------

### 3. Executive Summary

Project Description (three or four sentences)
---

This project will fund between 1,875-2,500 encryption licenses and maintenance for use in encrypting sensitive and confidential data on university systems that are at risk of exposing this information to unauthorized persons in the event of compromises, theft, or loss.
---

### 4. Project Description

This encryption software will allow the university to prevent sensitive or confidential data from getting into the 'wrong' hands in the event of system compromises, theft, loss or other forms of 'human errors' that are inadvertent. Over 65% of all published sensitive data leaks/breaches at universities result from unencrypted data that resides on university laptops, servers, and workstations that is accessed by unauthorized persons. Additionally, GSU policies and regulatory requirements such as GLBA, HIPAA, Visa PCI, all call for protecting sensitive and confidential data from unauthorized access and there are literally thousands of systems owned by the university at this time that need to be encrypted to comply with these requirements.

### 5. Record the review numbers assigned by IS&T and Facilities. Their assessments must be included in Sections 16 and 17.

IS&T: IST08-015
-----------------

Facilities: #13886-07
-----------------------

## 6. Relevance to Regents Guidelines

**[1] Technology fee revenues should be used primarily for the direct benefit of students to assist them in meeting the educational objectives of their academic programs.**

*Every facet of a student's access to educational programs at the University relies on the availability of computer systems, either their own, or in departments, labs and classrooms on the campus network. If these systems experience attacks and intrusions, their availability is threatened and countless man-hours must be spent to restore them back to health. In some cases, the systems must be rebuilt from scratch and the data contained on them, such as WebCT courses or research, is lost. Additionally, successful hacker compromises can lead to serious exposures of student personal information or financial data.*

**[3] Technology fee revenues should be used for hardware and Network related expenditures that include support of general purpose or special purpose laboratories used by students for body productivity and more discipline related activities.**

*This proposal supports the above objective—when expenditures are made for hardware/software that is the platform for specialized databases and other services utilized by students on a daily basis, the destruction of these systems due to hacking or intrusions is an important concern. .*

## 7. Relevance to Strategic Plan(s)

*This proposal supports the University's academic strategic objectives as well as the information technology objectives. In order to offer online access to registration, Panthercard purchases, WebCT courseware, etc., University servers that these applications reside on must be available and their integrity must not be impaired. Additionally, sensitive and confidential data that resides on mobile devices is imperiled the moment it leaves the campus, due to the prevalence of theft, loss, and destruction. If encryption is used on the hard drive, this data will be inaccessible to any unauthorized persons. This proposal supports the University's Information Security Strategic Plan's objectives of protecting the investment in technology.*

## 8. Impact on Students Served

- ***The benefit would be campus-wide as the encryption licenses will be utilized to protect sensitive and confidential information residing on campus systems.***
- ***A quarter of the licenses will be made available for distribution directly to students to protect their mobile systems.***

## 9. Justification of Funding Requirements for Fiscal Year 2008

Provide a specific description of the funding requirements for FY 2008 in the Microsoft Excel spreadsheet below. You must use the same terminology as in the Project Description (page 2, #4) to allow each itemized line to be traced back to the items and functionality appearing in the Project Description. Failure to do so will negatively affect consideration of your proposal. Itemize and total the following categories of expense. If necessary, add lines to the table below corresponding to accounting objects of expense.

**Please note that any equipment items less than \$4,999 should be categorized as "supplies."**

Object of Expense	Itemized Descriptions	Quantity	Per unit price	Extended Total
<b>Supplies</b> (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4			
	Item 5			
	Item 6			
	Item 7			
<b>Equipment</b>	Item 1			\$0.00
	Item 2, etc			
<b>Software</b> (Note: Include Vendor and Product Name.)	Item 1 Encryption Licenses and first yr maint	1,406	\$40.00	\$56,240.00
	Item 2			
	Item 3, etc			
<b>Maintenance or Contractual Services</b>	Item 1			\$0.00
	Item 2, etc			
<b>Board of Regents Guidelines state "In almost no cases should technology fee revenues be used for ... space renovation, or other items or activities that do not have a direct and immediate impact upon students instructional objectives." (See Attachment 1, #8)</b>				
<b>Construction Services</b> (Requires review of Planning & Facilities)	Item 1			\$0.00
	Item 2			
	Item 3, etc			
<b>Network Connections and Infrastructure Costs</b> (Requires review of UCCS)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
<b>Physical Security</b> (Note: Costs normally should not exceed 2.5% of Total Requested.)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
<b>Other Expenses</b> (explain)	Item 1			\$0.00
	Item 2, etc			
<b>Board of Regents Guidelines state "Technology fee revenues may be used - with caution - for new staffing that is either temporary or ongoing." (See Attachment 1, #6)</b>				
<b>Staff Salaries</b>	Item 1			\$0.00
	Item 2, etc			
<b>Fringe Benefits</b>	Item 1			\$0.00
	Item 2, etc			
		<b>Hours/wk</b>	<b>Hourly Rate</b>	
<b>Student Assistant Salaries</b>	Item 1			\$0.00
	Item 2, etc			
<b>Graduate Student Assistant Salaries</b>	Item 1			\$0.00
	Item 2, etc			
<b>TOTAL</b>				<b>\$56,240.00</b>

### 10. Consequences of Partial Funding

**Only 75% funded:** Reduction in licenses will detrimentally affect ability to disseminate to all systems processing sensitive and confidential info that need encryption

Object of Expense	Itemized Descriptions		Quantity	Per unit price	Extended Total
<b>Supplies</b> (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Item 1				\$0.00
	Item 2				
	Item 3				
	Item 4				
	Item 5				
	Item 6				
	Item 7				
<b>Equipment</b>	Item 1 Encryption Licenses and first yr maint		1,500	\$40.00	\$60,000.00
	Item 2, etc				
<b>Software</b> (Note: Include Vendor and Product Name.)	Item 1				\$0.00
	Item 2				
	Item 3, etc				
<b>Maintenance or Contractual Services</b>	Item 1				\$0.00
	Item 2, etc				
<b>Board of Regents Guidelines state "In almost no cases should technology fee revenues be used for ... space renovation, or other items or activities that do not have a direct and immediate impact upon students instructional objectives." (See Attachment 1, #8)</b>					
<b>Construction Services</b> (Requires review of Planning & Facilities)	Item 1				\$0.00
	Item 2				
	Item 3, etc				
<b>Network Connections and Infrastructure Costs</b> (Requires review of UCCS)	Item 1				\$0.00
	Item 2				
	Item 3				
	Item 4, etc				
<b>Physical Security</b> (Note: Costs normally should not exceed 2.5% of Total Requested.)	Item 1				\$0.00
	Item 2				
	Item 3				
	Item 4, etc				
<b>Other Expenses</b> (explain)	Item 1				\$0.00
	Item 2, etc				
<b>Board of Regents Guidelines state "Technology fee revenues may be used - with caution - for new staffing that is either temporary or ongoing." (See Attachment 1, #6)</b>					
<b>Staff Salaries</b>	Item 1				\$0.00
	Item 2, etc				
<b>Fringe Benefits</b>	Item 1				\$0.00
	Item 2, etc				
			<b>Hours/wk</b>	<b>Hourly Rate</b>	
<b>Student Assistant Salaries</b>	Item 1				\$0.00
	Item 2, etc				
<b>Graduate Student Assistant Salaries</b>	Item 1				\$0.00
	Item 2, etc				
<b>TOTAL</b>					<b>\$60,000.00</b>

**Only 50% funded:** Reduction in licenses will prohibit ability to disseminate to all systems processing sensitive and confidential info that need encryption

Object of Expense	Itemized Descriptions		Quantity	Per unit price	Extended Total
<b>Supplies</b> (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Item 1				\$0.00
	Item 2				
	Item 3				
	Item 4				
	Item 5				
	Item 6				
	Item 7				
<b>Equipment</b>	Item 1				\$0.00
	Item 2, etc				
<b>Software</b> (Note: Include Vendor and Product Name.)	Item 1 Encryption licenses and first yr maint		937	\$40.00	\$37,480.00
	Item 2				
	Item 3, etc				
<b>Maintenance or Contractual Services</b>	Item 1				\$0.00
	Item 2, etc				
<b>Board of Regents Guidelines state "In almost no cases should technology fee revenues be used for ... space renovation, or other items or activities that do not have a direct and immediate impact upon students instructional objectives." (See Attachment 1, #8)</b>					
<b>Construction Services</b> (Requires review of Planning & Facilities)	Item 1				\$0.00
	Item 2				
	Item 3, etc				
<b>Network Connections and Infrastructure Costs</b> (Requires review of UCCS)	Item 1				\$0.00
	Item 2				
	Item 3				
	Item 4, etc				
<b>Physical Security</b> (Note: Costs normally should not exceed 2.5% of Total Requested.)	Item 1				\$0.00
	Item 2				
	Item 3				
	Item 4, etc				
<b>Other Expenses</b> (explain)	Item 1				\$0.00
	Item 2, etc				
<b>Board of Regents Guidelines state "Technology fee revenues may be used - with caution - for new staffing that is either temporary or ongoing." (See Attachment 1, #6)</b>					
<b>Staff Salaries</b>	Item 1				\$0.00
	Item 2, etc				
<b>Fringe Benefits</b>	Item 1				\$0.00
	Item 2, etc				
			<b>Hours/wk</b>	<b>Hourly Rate</b>	
<b>Student Assistant Salaries</b>	Item 1				\$0.00
	Item 2, etc				
<b>Graduate Student Assistant Salaries</b>	Item 1				\$0.00
	Item 2, etc				
<b>TOTAL</b>					<b>\$37,480.00</b>

11. Standard Dollar Amounts

N/A

12. Standard Replacement Thresholds

N/A

13. Prerequisite, Non-Technology Fee Funding

N/A

14. Matching Funds

N/A

15. Staffing and Other Support Availability

N/A

16. Space Availability and Impact on Facilities

***This project does not impact facilities.***

17. Impact on Computing/Networking/Information Security Infrastructure

Information Security Review (Tammy Clark):

Impact: Yes

Assessment: Protect (CIA) sensitive information from compromise/unauth access

Wireless and Network Ports Review (Mark Roberson):

Impact: *No*

*Assessment:*

Server Connections (Charles Hollingsworth, Tammy Clark, Keith Campbell):

Impact: (No-CWH), No impact - KEC

Assessment:

External Connections (Charles Hollingsworth):

Impact: (No-CWH)

Assessment:

DVR Installations (Mark Roberson, Tammy Clark, Charles Hollingsworth):

Impact: (No-CWH)

Assessment:

Lab and Classroom Configurations (Joe Amador):

Impact: Yes/No NO

Assessment:

18. Physical Security Needs

N/A

19. Post-Project Assessment Criteria

- ***Licenses distributed to academic and administrative departments for use on systems handling sensitive or confidential data***
- ***Statistics on installation base at GSU***
- ***A quarter of the licenses will be made available for distribution directly to students to protect their mobile systems***

20. Review and Acknowledgements

N/A

21.  
**PROJECT REPORT**

**FY 2008 Student Technology Fee Award**

**A. Award Identification**

**Award Number:** \_\_\_\_\_  
**Short Title:** \_\_\_\_\_  
**Major Unit:** \_\_\_\_\_  
**Department:** \_\_\_\_\_  
**Contact Person:** \_\_\_\_\_  
**Amount Awarded:** \_\_\_\_\_  
**Amount Expended:** \_\_\_\_\_

**B. Project Assessment**

- *Licenses distributed to academic and administrative departments for use on systems handling sensitive or confidential data*
- *Statistics on installation base at GSU*
- *A quarter of the licenses will be made available for distribution directly to students to protect their mobile systems*