

# GEORGIA STATE UNIVERSITY

## Stage 2 (Final) Proposal Form for the Use of FY 2008 Technology Fees FY 2008 Technology Fee Proposal

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Submitting Organization: University Educational Technology Services (UETS)  
Major Unit: Information Systems and Technology  
Department: Digital Media Services

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### 1. Project Short Title

<i>5-8 Word Project Title</i>
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<i>Digital Aquarium Multimedia Equipment and Supplies</i>
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### 2. Total Requested

Fiscal Year 2008
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\$97,726
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### 3. Executive Summary

<b>Project Description (three or four sentences)</b>
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This proposal would expand the successful equipment checkout program of the Digital Aquarium by adding more equipment and replacing old supplies. Included in the proposal are more video cameras, photo cameras, projectors, light kits and tripods. All of these resources will be available to all Georgia State University students, at no charge. Furthermore, faculty and staff are encouraged to use these resources, in conjunction with our free training workshops, to add multimedia content to existing courses. This proposal includes replacing the five-year-old color laser printer and audio suite hardware with newer models of the same make. This proposal includes replacing four DV decks with four HDV decks. Lastly, this proposal includes software upgrades to keep the Digital Aquarium up to date with current multimedia software tools.
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#### 4. Project Description

The Digital Aquarium, Georgia State's innovative, open access, multimedia laboratory is a huge success (Please refer to Attachment 8 "Acknowledgements"). In order for the Digital Aquarium to fulfill its mission and to continue to set the standard for multimedia resources and support, the Digital Aquarium must continually replace aging equipment and supplies.

An integral resource of the Digital Aquarium is our equipment checkout program. Our digital video and photo cameras allow students to add multimedia content to their class work. In order to meet the demands of our booming equipment checkout services, and to train students on current technologies, the Digital Aquarium must replace its damaged five-year old video cameras with newer video cameras. The current cameras have exceeded their life expectancy and are breaking down as a result of constant use by students. Last year we replaced half of our advanced video cameras. This proposal would replace the eight remaining five-year-old cameras.

Equally as popular as our Advanced Video Kits, are the Basic Video and Basic Photo Kits we check out to all Georgia State Students. Over the course of the past five years since the Digital Aquarium opened its doors, many courses have added video and photo assignments to their coursework. On any given weekend during the semester, it is routine for *all* of the Digital Aquarium's cameras to get checked out by students working on class projects. As more and more faculty add multimedia assignments to their coursework, the demand for Basic Video and Photo Kits surpasses our current supply of cameras. This proposal requests eight (8) more Basic Photo and eight (8) more Basic Video Kits, to support the increasing popularity of our camera checkout program.

Initially the Digital Aquarium only had tripods for our larger, more advanced cameras. We do not currently have small, lightweight, portable tripods for the smaller Basic Video and Basic Photo Kits. This proposal includes eight (8) basic video tripods and eight (8) basic photo tripods. This proposal also includes four heavy-duty tripods, to replace four of the aging and damaged tripods currently in use with the Advanced Video Camera Kits.

One of the more surprising successes of the Digital Aquarium equipment checkout program has been the Lighting Kits we make available for students to check out. The Digital Aquarium has been teaching Video Lighting workshops for five years, and has trained over 1300 students on using professional lighting equipment. The Lighting Kits have become an important requirement of the Film, Video and Photography students. On any given weekend during the semester, it is not uncommon for *all* of the Digital Aquarium Lighting Kits to get checked out for student projects. This proposal includes four (4) additional Light Kits to support the high demand for lighting equipment.

When the Digital Aquarium opened five years ago we offered two (2) Advanced Photo Kits, which students could checkout after attending a Digital Photography workshop. The Advanced Photo Cameras provide full manual control of the camera

exposure and other advance photography features, including support for flash lights, light metering, AE-ISO controls, and manual focus. The two cameras we have been using desperately need to be replaced with newer cameras. Partially because the capture size the current cameras are too low of resolution, they are only 4-megapixels. (In comparison, the fully automatic Basic Photo Kits we check out are capable of 10-megapixels). The other problem is that the two Advance Photo Kits we have are both damaged in ways that are too expensive to repair. This proposal includes funding for four (4) new Advanced Photo Camera Kits, to continue supporting students who have an interest in professional photography. Three (3) of the cameras will be available for students to check out, while one kit will remain at the Digital Aquarium to use for teaching the Digital Photography workshops.

Another vital resource of the Digital Aquarium, and a service we provide for all students of Georgia State, is color laser printing. A warranty on a state-contract Xerox color laser printer is three years. The Digital Aquarium has obtained five years of service from our original color laser printer, but it is at the end of its long life span. This proposal would replace the Digital Aquarium's printer with a new Xerox color laser printer. The Digital Aquarium will still provide relatively low cost color laser printing in Letter (25¢) and Tabloid (\$1.00) sizes. The new printer will add support for Tabloid Extra (12"x18", for \$1.00), which is required for the Graphic Design courses and Portfolios.

Last year the Digital Aquarium was awarded funding to provide two video/PC projectors for students to checkout, at no charge. These two projectors have become VERY popular on campus. A very diverse assortment of students and student organizations are taking advantage of this new resource. This proposal requests more projectors for students and student organizations to checkout from the Digital Aquarium.

The Digital Aquarium's open access Audio Suite has been a Technology Fee success story for five years. Over 2500 students, staff, and faculty have attended our free Digital Audio Production workshops. We currently offer six (6) different workshops on audio production and recording. The Audio Suite in the Digital Aquarium is arguably the most popular workstation on campus. Last year we upgraded the hardware in the Audio Suite to make it compatible with current software standards. This proposal requests the same hardware upgrades for the training workstation we use to teach the Audio Suite workshops. Using a second workstation to teach the Audio workshops eliminates the need to use the complete Audio Suite for these mini classes. Which means that students will have greater access to the Audio Suite and more time will be available for student use every week.

Last year the Digital Aquarium received funding to replace the aging Digital Video decks connected to student workstations in the lab, with new SONY video decks that can play both DV and HDV tapes. This proposal requests funding to replace four more old decks with the same SONY HDV/DV decks. These four decks will be used at the Workshop Instruction Station (1), at two dubbing stations (2), and in the Conference Room (1).

Finally, it is mission critical that the Digital Aquarium stay current with its multimedia software licenses. With the pace of technology ever increasing, students come to the Digital Aquarium to ask some rather challenging multimedia questions. The Digital Aquarium must keep its software up to date in order to provide support for current and emerging technologies, such as High Definition, HDV, HD-DVDs, BluRay, iPods, PDA's, Flash, Bluetooth, Wireless and more.

Please review Attachment 6, "Digital Aquarium Metrics" for thorough outcomes and results of last year's Tech Fee award.

Please review Attachment 7, "Classes Enhanced by the Digital Aquarium" for a list of departments, and their classes, that will be directly enhanced by the continuation of an open access multimedia production laboratory:

Please review Attachment 8, "Acknowledgements" for comments and letters from students, staff and faculty regarding the role of the Digital Aquarium on campus.

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

IS&T: IST08-077
CBSAC and Planning & Facilities Review #14642-07

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.

[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.

[4] Technology fee revenues may be used for training of students and, to a lesser extent, staff and faculty.

7. Relevance to Strategic Plan(s)

Excerpts from the "2005-2010 University Strategic Plan"

*A goal is to continue to remain current in the application of computing and information technologies, congruent with the needs of the Net Gen students. All students should have ready access to computing resources and an opportunity to develop information management skills for lifelong learning... Faculty and staff will need the support of human resources, equipment, and classroom facilities in the transfer and application of technology to new learning environments. Out-of class electronic connections between faculty and students will be encouraged. (p. 33)*

The "Georgia State University Information Technology Strategic Plan" based on the "University Strategic Plan" has many direct references to the need for computer facilities for students.

*As part of the planning process, a Vision for Information Technology Effectiveness at Georgia State University has evolved. The major goals and initiatives presented later in this plan reflect this vision. The vision is that: Technology-enhanced education will be noticeably enhanced because both the appropriate classroom facilities and other instructional technologies and support are available to faculty and students;*

Two of four University Goals are

5.2 A University Goal: Technology-enabled Faculty, Staff and Students

5.2.4 Provide Effective Information Technology Services for Students:

5.3 A University Goal: Technology-enhanced Education

5.3.1 Establish Appropriate Levels of Technology in Classrooms:

*If the University is to achieve the goal of technology-enhanced education, along with faculty training and development, it must equip its classrooms and laboratories appropriately.*

5.3.2 Ensure Availability of Information Technology Resources for Students:

*Current policy is to provide open-access computer laboratories for students... The second problem is the absence of an established plan for systematically replacing the technology in these classrooms and laboratories. A replacement funding system based on a reasonable lifetime should be established for the near future.*

## 8. Impact on Students Served

The Digital Aquarium is an open-access, multimedia laboratory; accessible to all students at Georgia State, regardless of academic major or technology skill levels. The services and equipment offered at the Digital Aquarium directly support the academic requirements of many diverse departments and support a large number of students studying under those departments. There are currently no other open-access facilities available on campus providing the high-end multimedia computing equipment necessary to meet these demands. The Digital Aquarium is open to assist students during the business hours of the Student Center.

During the past year, the Digital Aquarium has continued to increase its services to the student body. This is shown in constantly increasing numbers of student sign-ins, equipment checkouts and workshop attendance at the lab over the past four and a half years. (Attachment 6) The Digital Aquarium has become a valuable asset to the campus not only for its unique software and hardware offerings, but also for the learning opportunities available to all Georgia State students. (Attachment 7)

The Digital Aquarium sponsors, advises, and on occasion, hosts campus activities for many diverse student organizations on campus. These include Cinefest, SpotLight, the Student Government Association (SGA), Women's Resource Center, Latin American Student Association, African Students Association, Black Student Alliance, Breakdancing Sports Club, Conscious Collective, Team Handball, technology focused groups, student film projects, student television pilots, cultural groups and events, athletic teams, fraternities, sororities and Home Coming. (Attachment 8)

In 2006 the Digital Aquarium helped create the Documentary Film Group at Georgia State. This project required no funding, just support from resources already in place at the Digital Aquarium. The Doc Film Group meets twice a week in our Conference Room to show their current projects to each other, to watch and student Documentary Films, and to attend training workshops as a group. The initiative has proved to be another big success story for

the Digital Aquarium. Two films produced this past Fall by the group, have been accepted into the Atlanta Film Festival, perhaps the most prestigious festival in the Southeast. Films produced by the Documentary Film Group are currently on display in the Digital Aquarium. In 2007 the Digital Aquarium hopes to use this same formula to help create an Animation club for students interested in 3D modeling, video gaming, and various forms of animation.

The Digital Aquarium is now featured on most campus tours, such as INCEPT tours, providing opportunities to recruit top-tier students to Georgia State. The Digital Aquarium has also hosted many prestigious guests from the local and national press, including: US New and World Report, CNN, the Atlanta Journal Constitution, the Signal, GSTV, Album 88.9, PeopleTV and GPTV. Our open access policy is what sets us apart from other multimedia laboratories. We can continue to raise the bar of excellence in services and support with the items requested in this proposal.

Please review Attachment 6, "Digital Aquarium Metrics" for thorough outcomes and results of last year's Tech Fee award.

Please review Attachment 7, "Classes Enhanced by the Digital Aquarium" for a list of departments, and their classes, that will be directly enhanced by the continuation of an open access multimedia production laboratory:

Please review Attachment 8, "Acknowledgements" for comments and letters from students, staff and faculty regarding the role of the Digital Aquarium on campus.

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	Per unit price	Quantity	SubTotal	Extended Total
<b>Equipment</b>	<b>Color Laser Printer</b>				\$11,189
	Xerox Phaser7760DX Contract: ARCHE Agreement	\$7,248	1	\$7,248	
	Xerox 512MB Phaser Memory	\$729	1	\$729	
	Xerox 7760 High Capacity Feeder	\$1,340	1	\$1,340	
	Xerox Extended On-Site Service - 3 years	\$1,872	1	\$1,872	
<b>Supplies</b>	<b>Workstation Peripherals</b>				\$9,675
	DigiDesign ProTools DIGI002 with Control Surface	\$2,495	1	\$2,495	
	SONY HVR-M15U - video deck supports multiple digital video formats: HDV, DVCAM, Mini-DV	\$1,795	4	\$7,180	
	<b>High-Definition Video Kits</b>				\$42,292
	Sony HDR-V1U HDV 24p/1080i Video Camcorder, 20x Optical Zoom, 3.5" LCD Screen, Hard Case, Extra Battery, Charger, Power Supply, UV filter	\$4,245	8	\$33,960	
	Manfrotto Pro Video Tripod (525MVB Black), with Bogen Pro Video Head (503) and Soft Case	\$784	4	\$3,136	
	Lowel Digital Video Creator 4-Light Kit w/Hard Case	\$1,195	4	\$4,780	
	<b>Basic Video Camera Kits</b>				\$6,560
	Sony DCR-HC48 DIGITAL CAMCRDR (MINI DV) KIT, Built-in Mic, Soft Case, Extra Battery, Charger	\$495	8	\$3,960	
	Bogen / Manfrotto 3221WN (055BWB) Wilderness Tripod Legs with 3433 Pro Video Head, Soft Case	\$325	8	\$2,600	
	<b>Advanced Digital Photo Camera Kits</b>				\$6,280
	Nikon D80 w/Telephoto lens, 10-megapixel, Hard Case, Extra Battery, Charger, 2Gb Memory Card	\$1,245	4	\$4,980	
	Bogen / Manfrotto 475 Professional Tripod Legs with Geared Column & 804RC2 3-Way Pan/Tilt Head	\$325	4	\$1,300	
	<b>Basic Digital Photo Camera Kits</b>				\$5,560
	SONY Cybershot 10-mega-pixel, 3" LCD, Soft Case, 1Gb Memory Card, Extra Battery, Charger	\$485	8	\$3,880	
	Bogen / Manfrotto 190XPROB Tripod Legs (Black) with 804RC2 3-Way Pan/Tilt Head and Tripod Case	\$210	8	\$1,680	

<b>Basic LCD Projectors</b>				<b>\$3,180</b>
SONY Multimedia LCD Projector 2100ANSI, w/Case	\$795	4	\$3,180	
<b>Software Upgrades</b>				<b>\$12,990</b>
Apple iLife (upgrade)	\$35	30	\$1,050	
Adobe Web Bundle (upgrade)	\$270	30	\$8,100	
Roxio Toast (upgrade)	\$100	30	\$3,000	
QuickTime Pro/MPEG-2 (renew)	\$28	30	\$840	
<b>TOTAL</b>				<b>\$97,726</b>

### 10. Consequences of Partial Funding

State what the consequences would be on the effectiveness and viability of the proposal if it were only funded in FY 2008 at the following percentages of the requested total:

**Only 75% funded:** State specifically whether or not the proposed project would remain viable. If the project would remain viable, itemize and total the following categories of expense at 75% funding in the Microsoft Excel spreadsheet below.

The remaining Equipment and Supplies in this proposal are still viable at 75%.

At 75% funding the Digital Aquarium will not be able to provide faculty and students with enough High-Definition Video Kits, Advanced Digital Photo Kits, Video Projectors, and Lighting Kits to meet the current demands. In order to provide enough resources to meet the current level of demand by students, staff, and faculty, this proposal should be funded at 100%.

Consequences of 75% funding include:

- 50% reduction in quantity of High-Definition Video Kits. This will partially meet the demand for HD, and 24p video production.
- Fewer Video Projectors, Light Kits, and Advanced Photo Kits. This will partially meet the current demands for these resources.
- Two fewer HDV decks. HDV decks will not be available for student, staff and faculty use at the Digital Aquarium's two (2) dubbing stations.

Object of Expense	Itemized Descriptions	Per unit price	Quantity	SubTotal	Extended Total
<b>Equipment</b>	<b>Color Laser Printer</b>				\$11,189
	Xerox Phaser7760DX Contract: ARCHE Agreement	\$7,248	1	\$7,248	
	Xerox 512MB Phaser Memory	\$729	1	\$729	
	Xerox 7760 High Capacity Feeder	\$1,340	1	\$1,340	
	Xerox Extended On-Site Service - 3 years	\$1,872	1	\$1,872	
<b>Supplies</b>	<b>Workstation Peripherals</b>				\$6,085
	DigiDesign ProTools DIGI002 with Control Surface	\$2,495	1	\$2,495	
	SONY HVR-M15U - video deck supports multiple digital video formats: HDV, DVCAM, Mini-DV	\$1,795	2	\$3,590	
	<b>High-Definition Video Kits</b>				\$23,701
	Sony HDR-V1U HDV 24p/1080i Video Camcorder, 20x Optical Zoom, 3.5" LCD Screen, Hard Case, Extra Battery, Charger, Power Supply, UV filter	\$4,245	4	\$16,980	
	Manfrotto Pro Video Tripod (525MVB Black), with Bogen Pro Video Head (503) and Soft Case	\$784	4	\$3,136	
Lowel Digital Video Creator 4-Light Kit w/Hard Case	\$1,195	3	\$3,585		

<b>Basic Video Camera Kits</b>				\$6,560
Sony DCR-HC48 DIGITAL CAMCRDR (MINI DV) KIT, Built-in Mic, Soft Case, Extra Battery, Charger	\$495	8	\$3,960	
Bogen / Manfrotto 3221WN (055BWB) Wilderness Tripod Legs with 3433 Pro Video Head, Soft Case	\$325	8	\$2,600	
<b>Advanced Digital Photo Camera Kits</b>				\$4,710
Nikon D80 w/Telephoto lens, 10-megapixel, Hard Case, Extra Battery, Charger, 2Gb Memory Card	\$1,245	3	\$3,735	
Bogen / Manfrotto 475 Professional Tripod Legs with Geared Column & 804RC2 3-Way Pan/Tilt Head	\$325	3	\$975	
<b>Basic Digital Photo Camera Kits</b>				\$5,560
SONY Cybershot 10-mega-pixel, 3" LCD, Soft Case, 1Gb Memory Card, Extra Battery, Charger	\$485	8	\$3,880	
Bogen / Manfrotto 190XPROB Tripod Legs (Black) with 804RC2 3-Way Pan/Tilt Head and Tripod Case	\$210	8	\$1,680	
<b>Basic LCD Projectors</b>				\$1,590
SONY Multimedia LCD Projector 2100ANSI, w/Case	\$795	2	\$1,590	
<b>Software Upgrades</b>				\$12,990
Apple iLife (upgrade)	\$35	30	\$1,050	
Adobe Web Bundle (upgrade)	\$270	30	\$8,100	
Roxio Toast (upgrade)	\$100	30	\$3,000	
QuickTime Pro/MPEG-2 (renew)	\$28	30	\$840	
<b>TOTAL</b>				<b>\$72,385</b>

**Only 50% funded:** State specifically whether or not the proposed project would remain viable. If the project would remain viable, itemize and total the following categories of expense at 50% funding in the Microsoft Excel spreadsheet below.

The remaining Equipment and Supplies in this proposal are still viable at 50%.

At 50% funding the Digital Aquarium will not be able to provide faculty and students with enough video cameras, photo cameras, video projectors, and lighting kits to meet the current demands. Our digital video and photo cameras allow students to add multimedia content to their class work. In order to provide enough resources to meet the current level of demand by students and faculty, this proposal should be funded at 100%.

Consequences of 50% funding include:

- 50% reduction in quantities of Advanced Video Kits, Basic Video Kits, Basic Photo Kits, Tripods, Light Kits and Video Projectors. The Digital Aquarium will merely be able to replace the aging and broken cameras and light kits already in use. The overall number of cameras available will increase by only about 25%. We will partially meet the increase in demand for Video Projectors, Advanced Photo cameras and High-Definition video equipment. However, there will continue to be a shortage of cameras, tripods, and light kits, as more and more faculty require audio, video, and photo production as part of their coursework.
- No upgrades for Adobe Web Bundle (No CS3 upgrades for Photoshop, Illustrator, InDesign, Dreamweaver, Flash, etc.). The Digital Aquarium will request this item again for 2009. There will be compatibility issues if other computer labs are awarded funding for CS3 and the Digital Aquarium is not.
- Semi-professional HDV cameras with manual exposure and audio controls will be replaced with cheaper and more fully automatic HDV cameras. The HVR-A1U provides high-definition recording, but poor manual audio controls and no manual exposure controls.
- Two fewer HDV decks. HDV decks will not be available for student, staff and faculty use at the Digital Aquarium's two (2) dubbing stations.

Object of Expense	Itemized Descriptions	Per unit price	Quantity	SubTotal	Extended Total
<b>Equipment</b>	<b>Color Laser Printer</b>				\$11,189
	Xerox Phaser7760DX Contract: ARCHE Agreement	\$7,248	1	\$7,248	
	Xerox 512MB Phaser Memory	\$729	1	\$729	
	Xerox 7760 High Capacity Feeder	\$1,340	1	\$1,340	
	Xerox Extended On-Site Service - 3 years	\$1,872	1	\$1,872	
<b>Supplies</b>	<b>Workstation Peripherals</b>				\$6,085
	DigiDesign ProTools DIGI002 with Control Surface	\$2,495	1	\$2,495	
	SONY HVR-M15U - video deck supports multiple digital video formats: HDV, DVCAM, Mini-DV	\$1,795	2	\$3,590	
	<b>High-Definition Video Kits</b>				\$14,938
	Sony HVR-A1U HDV 1080i Video Camcorder, 12x Optical Zoom, 2.5" LCD Screen, Hard Case, Extra Battery, Charger, Power Supply, UV filter	\$2,745	4	\$10,980	
	Manfrotto Pro Video Tripod (525MVB Black), with Bogen Pro Video Head (503) and Soft Case	\$784	2	\$1,568	
	Lowel Digital Video Creator 4-Light Kit w/Hard Case	\$1,195	2	\$2,390	
	<b>Basic Video Camera Kits</b>				\$3,280
	Sony DCR-HC48 DIGITAL CAMCRDR (MINI DV) KIT, Built-in Mic, Soft Case, Extra Battery, Charger	\$495	4	\$1,980	
	Bogen / Manfrotto 3221WN (055BWB) Wilderness Tripod Legs with 3433 Pro Video Head, Soft Case	\$325	4	\$1,300	

<b>Advanced Digital Photo Camera Kits</b>				<b>\$4,710</b>
Nikon D80 w/Telephoto lens, 10-megapixel, Hard Case, Extra Battery, Charger, 2Gb Memory Card	\$1,245	3	\$3,735	
Bogen / Manfrotto 475 Professional Tripod Legs with Geared Column & 804RC2 3-Way Pan/Tilt Head	\$325	3	\$975	
<b>Basic Digital Photo Camera Kits</b>				<b>\$2,780</b>
SONY Cybershot 10-mega-pixel, 3" LCD, Soft Case, 1Gb Memory Card, Extra Battery, Charger	\$485	4	\$1,940	
Bogen / Manfrotto 190XPROB Tripod Legs (Black) with 804RC2 3-Way Pan/Tilt Head and Tripod Case	\$210	4	\$840	
<b>Basic LCD Projectors</b>				<b>\$1,590</b>
SONY Multimedia LCD Projector 2100ANSI, w/Case	\$795	2	\$1,590	
<b>Software Upgrades</b>				<b>\$4,890</b>
Apple iLife (upgrade)	\$35	30	\$1,050	
Adobe Web Bundle (upgrade)	\$270	0	\$0	
Roxio Toast (upgrade)	\$100	30	\$3,000	
QuickTime Pro/MPEG-2 (renew)	\$28	30	\$840	
<b>TOTAL</b>				<b>\$49,462</b>

11. Standard Dollar Amounts

This proposal does not include any computers

12. Standard Replacement Thresholds

This proposal does not include any computers

13. Prerequisite, Non-Technology Fee Funding

Not Applicable

14. Matching Funds

Not Applicable

15. Staffing and Other Support Availability

This proposal does not include any staffing or support.

16. Space Availability and Impact on Facilities

**CBSAC and Planning & Facilities Review #14642-07**

This project does not impact facilities.

17. Impact on Computing/Networking/Information Security Infrastructure

<p><u>Information Security Review (Tammy Clark):</u>                  Impact: No                  Assessment:</p>
<p><u>Wireless and Network Ports Review (Mark Roberson):</u>                  Impact: No                  Assessment:</p>
<p><u>Server Connections (Charles Hollingsworth, Tammy Clark, Keith Campbell):</u>                  Impact: (No-CWH) , No impact – KEC                  Assessment:</p>
<p><u>External Connections (Charles Hollingsworth):</u>                  Impact: (No-CWH)                  Assessment:</p>
<p><u>DVR Installations (Mark Roberson, Tammy Clark, Charles Hollingsworth):</u>                  Impact: (No-CWH), (MR-NO)                  Assessment:</p>
<p><u>Lab and Classroom Configurations (Joe Amador):</u>                  Impact: Yes/No YES                  Assessment: Coordinate all software and hardware installations with Travis Remington, PS&amp;I WTS</p>

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18. Physical Security Needs

*If you are requesting any physical security funding, provide the rationale for these needs here.*

**This project does not impact facilities.**

**CBSAC and Planning & Facilities Review #14642-07**

19. Post-Project Assessment Criteria

20. Review and Acknowledgements

Please refer to Attachment 8 “Acknowledgements from Students, Staff and Faculty”

**Attachment 1**

**Technology Fee Guidelines** – Not shown here

**Attachment 2**

**“Standard” PC Configuration** – Not shown here

**Attachment 3**

**Itemization of Equipment to be Replaced** – Not required for this proposal

**Attachment 4**

**Equipment Replacement Exception Form** – Not required for this proposal

**Attachment 5**

**Final Project Report** – To be submitted at a later date

**Attachment 6**

**Digital Aquarium Metrics** – See Below

**Attachment 7**

**Classes Enhanced by the Digital Aquarium** – See Below

**Attachment 8**

**Acknowledgements from Students, Staff and Faculty** – See Below

## **DIGITAL AQUARIUM METRICS**

### **FY 2008 Student Technology Fee Award**

The following is a list of metrics for the Digital Aquarium, updated through Dec. 2006:

#### **Number of students:**

The Aquarium measures the number of students using the unique resources of this lab over time to determine the utilization of the lab.

- 17,415: The total number of student sign-ins from July 2005 – June 2006.
- On average, more than seventy (70) students come to the Aquarium for help daily.
- The Aquarium averages more than (100) equipment checkouts per week.
- More than 2000 students have taken the Audio Suite workshop as of Dec 2006.
- More than 1200 students have taken the Digital Video workshop as of Dec 2006.
- In just three months, more than fifty (50) students have taken the HD workshops.
- More than 4500 Audio Suite Check-Ins from February 2002 to Dec 2006.
- Students from every college on campus use the resources and support of the Digital Aquarium.

#### **Equipment Usage**

Observing equipment reservation logs and documenting student use of equipment in the lab can track the amount of time equipment is in use. The following statistics are from the 2005-2006 fiscal year:

- 17,415 Student Visitors
- 1,241 Workstation Reservations
- More than 2500 Camera Kits were checked-out and returned safely by students.
- More than 4000 pieces of equipment were checked-out by students, staff and faculty.
- Over 1100 Audio Suite Reservations, averaging 22 sessions per week.
- Almost 200 Conference Room Reservations, nearly a 100% increase from 2005.

#### **Metrics**

- Over 110,000 student sign-ins since our grand opening in February 2002
- Over 800 free workshops were given to Georgia State students in the past year.
- Eighty or more (80+) free workshops every month for novice and advanced students
- Subjects include: Photoshop, After Effects, Flash, Dreamweaver, ProTools, Illustrator, DVD Studio Pro, Final Cut Pro, iMovie, iDVD, Video Compression, Digital Audio Production, Digital Photography, Digital Video, Advanced Lighting, Microphones, MIDI Audio, High Definition Video, 3D Animation, and Scanning.
- Each year the Digital Aquarium offers 200+ audio production workshops
- The Digital Aquarium's Digital Audio Suite has a wait-list over two weeks long - making it the most popular workstation on campus.
- The Aquarium hosted more than three-dozen academic classes for multimedia software workshops in the 2006 Fall semester
- More than forty (40) faculty members assigned projects to their classes in 2005-2006 fiscal year that required resources only available through the Digital Aquarium.
- Every year the Digital Aquarium hosts more than two-thousand (2000) students and

their parents on guided tours.

**Attachment 7****Classes Enhanced by the Digital Aquarium**

The following is a list of departments, and their classes, that will be directly enhanced by the continuation of an open access multimedia production laboratory:

**New Courses and Departments Integrating Multimedia Resources**

- Criminal Justice: "Crime & Media": 60 students/year
- Robinson College of Business: "Computer Information Systems": 60 students/year
- Applied Linguistics 8900, Practicum in ESL/EFL
- Grad Level Sculpture Courses in School of Art and Design
- Art History Courses in School of Art and Design
- Most GSU1010: Freshman Learning Communities come for a tour
- GSU1010: "Filming the Metropolis": History of Atlanta in Documentary film
- GSU1010: Freshman Learning Community for Graphic Design Students
- GSU1010: Freshman Learning Community for Criminal Justice Students
- GSU1010: Freshman Learning Community for Academic Advisory
- Partnership for Urban Health Research Office
- Office of Student Affairs and Dean of Students Office
- The Office of African American Student Services and Programs
- Georgia State University Career Services

**Graphic Design**

- GRD 4310 Multimedia Design: 20 students/year
- GRD 4400 Design for Film and TV: 20 students/year
- GRD 4600 Senior Workshop: 20 students/year
- GRD 4950 Graphic Design Portfolio: 20 students/year
- GRD 4840 Offered in conjunction with computer science for 3D modeling 2 students/year

**Photography**

- PHOT 3100 Alternative Process: 12 students/year
- PHOT 4100 Color Photography: 12 students/year
- PHOT 4200 Documentary Photography: 12 students/year
- PHOT 4300 Studio Photography: 12 students/year
- PHOT 4410 Creative Processes and Practice: 12 students/year
- PHOT 4420 Digital I: 12 students/year
- PHOT 4430 Digital II: 12 students/year
- PHOT 4500 Directed Study: 12 students/year
- PHOT 4950 Portfolio: 5 students/year
- PHOT 4980 Special Problems: 5 students/year
- PHOT 8000 Advanced Studio Problems: 16 students/year
- PHOT 8500 Directed Study: 8 students/year
- PHOT 8980 Special Problems: 7 students/year
- PHOT 8990 Thesis Research 5 students/year

**Communications**

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- Postproduction: for undergraduates who shoot in digital video and not film.
  - Documentary Film: for undergraduates who make a documentary instead of writing a paper.
  - Acting for the Camera: for graduates and undergraduates who want to edit their work.
  - History of Animation: for undergraduates to make an animation instead of writing a paper.
  - All acting classes: for students/faculty who want to videotape students' performances.
  - All speech classes: for students/faculty who want to videotape students' performances.
  - SPCH 3210, Business and Professional Communication, with about 150 students annually;
  - JOUR 4610/COMM 6610 Desktop Editing and Publishing with annual enrollment of 100 students
  - Interactive Video: for scanning and photographing still images.
  - Digital Motion Imaging: for scanning and photographing still images and for dubbing.
  - Digital Filmmaking: for dubbing.
  - Special Effects: for scanning still images, for animation, for dubbing.
  - Desktop Publishing
  - Visual Communication
  - New Media Research and Production
  - Interactive Video Workshop: 15 grad students maximum;
  - COMM 8070 Communication Technology: 15 grad students maximum

## **Acknowledgements from Students, Staff and Faculty**

The following comments were taken from letters, emails, and thank you cards the Digital Aquarium and its staff has received.

Stan Anderson  
Faculty, Graphic Design

"I appreciate the incredible After Effects demo which you gave to me and the 18 students of my Senior Graphic Design class. Thanks again for the insightful workshop in Final Cut Pro this past week. It's just what the grad class needed in order to get them going. It is a great pleasure to have such a wonderful working relationship with those of you at the Digital Aquarium and I applaud you on your academia success."

Rebecca Klein  
Faculty, Graphic Design

"That was a big help, to both my students and myself. I have a feeling they'll definitely be taking advantage of some of your resources."

Niklas Vollmer  
Faculty, Documentary Film

"I never did get to formally thank you for all of the help with my Documentary Film class last semester. Thanks for all of your help with the FinalCut Pro and GL1 workshops. We greatly appreciated the workshops, additional aquarium staff assistance, and access! The students are excited and are raring to dive in!"

The Welcome Center

"Thank you so much for all of your help and assistance with the Presidential Scholarship Day. Your cooperation and willingness to help were truly a blessing. I can only hope the University knows what an amazing employee they have!"

April Lawhorn  
Instructor, Honors Program

"We enjoyed your presentation when the Honors FLC visited the Digital Aquarium."

Cathy Byrd  
Gallery Director, School of Art & Design

"Thank you for your tremendous support for the gallery and especially this last project!"

Kijua Sanders-McMurtry  
Instructor, Honors Program

"Your presentation for the GSU 1010 Honors class was great yesterday and I appreciate you working with our schedule. The students were excited to learn what about this resource on campus. I just want you to know that I think that you are a good resource to the University and will happily encourage students to utilize your facility."

Paula Eubanks  
Faculty, Art & Design

"Many, many thanks for the tour and introduction to the digital aquarium. My students are very enthusiastic about using the lab and we look forward to our workshops on using the cameras and Dreamweaver."

Craig Dongoski  
Faculty, Art & Design

"I am writing to thank you for all the help and guidance you have given to the students in my class 'intervention/Invention'. You have been very generous in your support for this rather experimental class involving sound/video media. Your knowledge of the technology has aided us considerable. I, along with the students, have also appreciated how accessible you have made the Digital Aquarium facilities feel. It is a valuable resource and your professional expertise allows us to tap into its potential."

Eric Panter  
Student Film Maker

"Thanks man. You rock. I couldn't pulled it off w/o you."

Vanessa Olavd  
Senior, RE/MGT

"I take this opportunity to express my gratitude for all the help the Digital Aquarium gave me with a final project. The entire staff was exceptional!!"

George Dean  
Public Relations SpotLight

"I really appreciate you allowing SpotLight use the wireless laptops. Everything went well! Again, I truly appreciate your concern and cooperation."

Anonymous Student

"All of the staff is most helpful and patient. They make what can be a frustrating experience, tolerable. Many thanks for the assistance in preparing my materials for screening."

Mary Hocks  
Faculty, English

"Thank you for presenting two workshops to the students in English 3135 Visual Rhetoric Class. Students mentioned learning useful information about Photoshop and they are eager to continue working in the Digital Aquarium. I am looking forward to working with you again soon."

Liz Throop  
Faculty, Graphic Design

"I want you to know what a tremendous support I have been receiving from Nathan Reetz and the Digital Aquarium. Be assured that the Digital Aquarium is serving crucial pedagogical needs in addition to being the coolest place on campus. I sense an evolving "critical mass" of knowledge, software, and hardware coming together at the Digital Aquarium, so that students can hang out at school and exchange information informally. This kind of environment moves formal instruction ahead tremendously and contributes to campus life as a whole."

Diane E. Moore  
Business Affairs Coordinator, J. Mack Robinson College of Business

"Thanks so much for the fantastic customer service!!"

Leche Joseph  
Student

"Just writing to express my gratitude for the help and special attention that you gave me on my project. Because of your last-minute-save-the-day efforts, the movies imbedded into the PPT presentation looked fantastic, and I was able to submit my project on time. Thanks so much!"

Karen Oates  
Director, University Educational Technology Services

"Nathan (Coordinator of the Digital Aquarium) does a great job and always comes through for us. We really appreciate all he does."