

## Request for Technology Fee Funds: FY18

**NOTE: A separate request should be made for each initiative.**

**I. Department Number/Department Name:** 360 College of Computing

**Title of Request (please be brief):** Instructional Lab Growth and Enhancement

**Amount of Request (formula from detailed budget below):** \$36,757

**Are there any installation/renovation costs associated with this request?**  Yes  No

**If "Yes" then indicate the source of approved funding:**

*(Note: Tech Fees are not allowed for installation/renovation)*

**Executive Summary of Request (100 words or less):**

To better support the efforts of the Division of Computing Instruction and their Teaching Assistants, we are requesting funds to purchase items to enhance the teaching of many introductory Computer Science courses.

**Specific class and/or lab initiative(s) if applicable:**

**Contact person for this request (incl. phone #):** Andrew Leonard (5-2805), Bill Leahy

**Indicate priority per department if applicable:** Number      of     

**Indicate priority per college or unit:** Number   2   of   9  

**II. Impact on Students - Provide course title, course number, and anticipated enrollments:**

**Titles/Numbers of Course(s)** see Courses Affected below

**Anticipated Enrollments**

Graduate:	0	<input type="radio"/>	per sem	<input checked="" type="radio"/>	per year
Undergraduate:	10,920	<input type="radio"/>	per sem	<input checked="" type="radio"/>	per year
<b>Total:</b>	10,920	(select one)			

**NOTE:** Other impacts on students should be described in narrative.

**III. Narrative - Provide narrative justification for your intended use of the technology fee funds. Include narrative on how the education or research of the students will be enhanced. Also include how the request aligns with the Strategic Plan of Georgia Tech. Continue in the block below if necessary.**

Courses affected - CS1301, CS1315, CS1331, CS1332, CS1371, CS2050, CS2200, CS2261, CS2316, CS2340, CS3311, CS3312, CS3240, CS4400

The introductory Computer Science courses taught by the instructors of the Division of Computing Instruction (DCI) are very important to both the College of Computing and to the campus as a whole. Having a basic understanding of programming is quickly becoming a necessity for leaders in most sectors of the workforce. We believe that these courses play directly into the Institute's strategic plan to "prepare our students for global leadership" by giving them these programming fundamentals to take with them when they graduate. With the campus requirement for every major to take at least one programming course, and the increased interest in the Computer Science major, we have seen a massive increase in students looking to take the introductory CS courses. (continued)...

**IV. Detailed Budget - Requested Items by Category** List separately any equipment, software, and other allowable expenses (see Tech Fee Guidelines). There is a formula in the "total column" that multiplies the number of items times the unit price. You may enter a figure into the total column if the unit pricing is not applicable. If you need additional rows, contact the Budget Office to receive a modified form.

**Supporting documentation is required** - Include price justification in some form, such as quotations, published price lists, etc. as a separate PDF attachment. All supporting information should be in a single PDF.

	Proposed Number of Items	Estimated Price per Unit	Total (\$)
Dell 30" Monitors	28	\$1,109	\$31,057
Monitor Arm Mount	28	\$162	\$4,530
Monitor Wall Mount	3	\$310	\$929
HDMI Cords	40	\$6	\$241
<b>Total (linked to the total amount of request line above)</b>			<b>\$36,757</b>

Please return form via e-mail in Excel format to: [techfees@business.gatech.edu](mailto:techfees@business.gatech.edu). Supporting information only in a PDF file.

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**III. Continuation of narrative justification, if necessary**

... To facilitate this growing enrollment, instructors rely on the work of an increasing number of Teaching Assistants to hold office hours, grade homework and projects, and teach recitations. To assist with their efforts, a few monitors were installed in the labs around the College of Computing Building using funds from a previous Tech Fee grant ("Instructional Audio/Video Enhancements" FY13).

The monitors provide students with additional screen space for their laptops, facilitating both individual and group work. This is especially useful during office hours, allowing TAs to engage 5-10 students at a time, maximizing the number of students each TA can assist. More are being requested to be deployed within the 7 existing TA labs and a technology enhanced classroom that will provide overflow space for these TAs and instructors to hold office hours, conduct project demonstrations, teach recitations, as well as provide meeting space for Junior and Senior design and other team-based courses.