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):*

Backups and Disaster Recovery for Instructional Computing

Amount of Request *(formula from detailed budget below):* **$44,718**

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):

Data integrity and backups are a critical aspect of the College's instructional support. Maintaining a backup copy of instructional work from students' home directories as well as instructional data on individual servers is critical to ensuring the best possible instruction environment. With classes, it is more important than ever to ensure that data is not lost due to any kind of hardware failure. Additionally, due to the learning environment, it is critical that students be able to recover files should they be lost due to any kind of user mishap.

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

Contact person for this request (incl. phone #): David Mercer (5-2518)

Indicate priority per department if applicable: Number ___ of ___

Indicate priority per college or unit: Number 7 of 9

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

Titles/Numbers of Course(s) all College of Computing students

Anticipated Enrollments	Graduate:	5,273	⦿ per sem ○ per year
	Undergraduate:	2,109	⦿ per sem ○ per year
	Total:	7,382	(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.*

According to the Institute's Strategic Plan, it is very important that we "establish best business and administrative practices". The College of Computing (CoC) believes that data integrity and backups are a critical aspect of this objective. Data loss can be extremely detrimental to both students and professors, be it due to hardware failure or an errant command. Our ability to safeguard our students' data is currently extremely limited, but we believe this needs to be expanded to correctly honor the institute's charge. In this proposal, we are asking for funds to purchase storage to add to the CoC's current pool within the campus' CrashPlan infrastructure for protecting student data. Grad student home directories and HPC home directories will take up the bulk of the storage requested; however, we also plan on adding much of our new and existing instructional infrastructure, such as group project directories, database servers, and web application services, to this backup infrastructure to ensure data integrity for all instructional resources.

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 ($)
4TB Seagate Hard Drives	72	$137	$9,840
Storage Server	6	$5,813	$34,878
Total *(linked to the total amount of request line above)*			**$44,718**

Please return form via e-mail in Excel format to: tina.clonts@business.gatech.edu. Supporting information only in a PDF file.

III.   Continuation of narrative justification, if necessary