Request for Technology Fee Funds: FY20 NOTE: A separate request should be made for each initiative.					
Department Number/Department Name:	Department Number/Department Name:		360 College of Computing		
Title of Request (please be brief): Amount of Request (formula from detailed budget below):			PACE Expansion to Extend Access to all Graduate Students		
		\$52,30			
Type of Proposal: Atlanta or Dist Lrng/	-	Atlanta		Ψ32,30	
Was this project request funded in FY19?			No	(Yes or No)	
Are there installation/renovation costs ass	ociated with this reque	est?	No	(Yes or 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					
Experience with High Perfomance Computing graduates. We propose to expand the Collegeraduate students					
Specific class and/or lab initiative(s) if ap	plicable:				
Contact person for this request (incl. phone #):		,	404) 894-9301		
Responsible faculty for this request (incl.		Will Powell, Ken Honea (404) 385-3781			
Indicate priority per department if applicable: Indicate priority per college or unit:			Number _ Number	of 7 of 9	
	Numbers of Course(s) ticipated Enrollments	Graduate:	College of Computing	(per sem) sem or y	
An	ticipated Enrollments	Graduate: Undergraduate: Total:	901	(per sem) sem or y (per) sem or y	
		Students Faculty Other	95% 5%		
Brief explanation of how estimate was achie	ved	Total:	100%		
Based on current enrollment in College of		graduate progran	ns.		
		aluda banafita ta t	he students affected.		
IE: Other impacts on students should be des	cribed in narrative to inc	clude benefits to t			
Detailed Budget - Requested Items by Cate Tech Fee Guidelines). There is a formula in enter a figure into the total column if the uni receive a modified form. Software or data lis student tech fees in narrative.	egory List separately ar the "total column" that i t pricing is not applicabl	ny equipment, soft multiplies the num le. If you need add	ware, and other allow ber of items times the ditional rows, contact	unit price. You may the Budget Office to	
Detailed Budget - Requested Items by Cate Tech Fee Guidelines). There is a formula in enter a figure into the total column if the uni receive a modified form. Software or data lie	egory List separately ar the "total column" that i it pricing is not applicabl cense proposals should lude price justification ir	ny equipment, soft multiplies the num le. If you need add indicate how man	tware, and other allowed ber of items times the ditional rows, contact y years the item has l	unit price. You may the Budget Office to been funded through	
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IV. 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. To include curricular, co-curricular, and extracurricular benefits expected to accrue to students through provision of this resource, including students outside the unit. Briefly state how information regarding similar technology use elsewhere on campus to benefit from lessons learned, to standardize, or differentiate, and to avoid duplication. Also include how the request aligns with the Strategic Plan of Georgia Tech. OIT's Partnership for an Advanced Computing Environment (PACE) facility provides participants a sustainable, leading-edge high performance computing (HPC) environment. Strong support from Georgia Tech's senior leadership enables PACE to provide infrastructure, software, and dedicated technical services at no additional charge for participating researchers, allowing them to focus their HPC investments primarily on compute nodes and expanded storage. This frees faculty to focus on research while reducing their direct costs and increasing productivity of students and postdocs. The PACE facility is possible because of a long-term commitment by Georgia Tech to create an exemplary environment to advance Georgia Tech's leadership position in innovative research. The College has invested heavily in the PACE Instructional Computing Environment (PACE-ICE), an instructional specific version of PACE, which is now used for almost all HPC related coursework within the CoC. However, as existing hardware has aged and been retired, the College has realized another segment of our students that PACE-ICE doesn't cover. The College of Computing has long hosted its own HPC facility, purchased with a combination of academic and research funding. It was designed not only to provide HPC resources to faculty and students for course work, but also as a research testbed specifically for non-sponsored research. Non-sponsored research fills an important role in the education of the Institute's graduate students; the introduction to research processes through hands-on research and problem solving is an integral part of these students' education, but unfortunately these skills cannot be easily taught in a traditional classroom setting. If we truly believe in the Institute's Strategic Objective to inspire creative and entrepreneurial thinking, we need to enable our students by providing them the tools they need to "customize their degrees". To further this mission, over the course of the last year we purchased 6 HPC nodes to be added to PACE using funds from the College's research budget. Based on current usage, we estimate that purchasing an additional 6 nodes will allow us to provide access to all on premise College of Computing graduate students, creating a general access resource for our students to use.

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