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)*:

Deep Learning and AI Accelerated Analytics System

Amount of Request *(formula from detailed budget below)*: **$102,489**

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 continue our leadership in the explosive field of Deep Learning, our students need access to advanced machines optimized for the task. Systems, like the NVIDIA DGX-1, offer this capability. Students will gain access to the newest GPU toolkits and techniques with an investment in this equipment.

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

Contact person for this request (incl. phone #): David Bader, Will Powell (4-9301), Andrew Leonard

Indicate priority per department if applicable: Number _____ of _____

Indicate priority per college or unit: Number __9__ of __9__

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

Titles/Numbers of Course(s) | see Narrative |

Anticipated Enrollments

Graduate:	7,486	○ per sem ● per year
Undergraduate:	498	○ per sem ● per year
Total:	7,984	(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.*

Purpose-built systems for Deep Learning are beginning to offer advantages not easily reproducible by generalized systems. NVIDIA's commitment to this platform and its associated software development kit are rapidly leading to new breakthroughs in AI. We propose acquiring a DGX-1 system for our advanced GPU and AI analysis curriculum.

CS4475 CS4476 CS4495 CS4510 CS4550 CS4611 CS4613 CS4615 CS4616 CS4622 CS4625 CS4632 CS4635 CS4641 CS4649 CS4650 CS4731 CS6475 CS6476 CS6480 CS6601 CS6705 CS7210 CS7476 CS7495 CS7545 CS7611 CS7612 CS7613 CS7615 CS7616 CS7632 CS7634 CS7637 CS7641 CS7645 CS7646 CS7650
CSE6342 CSE6243 CSE6740

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 ($)
Nvidia DGX-1	1	$102,489	$102,489
			$0
			$0
			$0
			$0
Total *(linked to the total amount of request line above)*			**$102,489**

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

III.   Continuation of narrative justification, if necessary