<table>
<tr><td colspan="2" align="center">**Request for Technology Fee Funds**
NOTE: A separate request should be made for each initiative.</td></tr>
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I. **Department Number/Department Name:** | **360** | **College of Computing/GVU Center**

Title of Request *(please be brief):* | **Prototype Lab**

Amount of Request *(formula from detailed budget below):* | **$61,470**

Executive Summary of Request (100 words or less):

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

Contact person for this request *(incl. phone #):* | **Keith Edwards, 404-385-6783**

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

Indicate priority per college or unit: | **Number** **5** **of** **10**

II. **Impact on Students -** Provide an estimate of how many students will be impacted if your request:

	No. of Students
Graduate	774
Undergraduate	920
Total	1,694

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.

The GVU Prototype lab is one of Georgia Tech's many workspaces that provide students and researchers with specialized equipment for working on academic and research related projects. This lab is available to any member of the Georgia Tech community that has completed an orientation session on the lab. The lab currently has over 100 active users from multiple schools on campus and offers unique collaboration space for planning, brainstorming and executing projects. While the lab if focused on providing tools and eqiupment related to creating devices or components best categorized under interactive computing, the lab is also well suited for students of industrial design, electrical and computer engineering, mechanical engineering and architecture. We currently have a large CNC router, table saw, drill/mill, circuit mill, screen printing equipment, 3D printer, laser engraver/cutter and soldering stations. Some of the equipment, including laser engraver and 3D printer, is approaching the end of its useful life and is in need of upgrade or replacement. The active user base of this lab (as well as similar labs on campus) is growing and we need to be able to safely handle the load of additional users so part of the proposal includes safety related upgrades. The laser engraver is highly utilized and as we're needing to cut larger and larger parts, a larger more powerful laser engraver is needed. More and more electronic projects are using surface mount components which require a reflow oven to properly solder components which we currently lack.

IV. **Detailed Budget - Requested Items by Category** *List separately list 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.*

	Proposed Number of Items	Estimated Price per Unit	Total ($)
Epilog Legend 36EXT - 120 Watt Laser Engraver/Cutter	1	38,000	38,000
LPKF Protoflow Reflow Oven	1	7,600	7,600
Trioccular microscope with camera	1	3,000	3,000
B&K Precision Function Generator	2	360	720
SMT Stencil Printer / Kit	1	1,350	1,350
Air compressor + hardware * installation	1	3,500	3,500
SMT Solder station equipment	1	1,500	1,500
Air Cleaners / Dust Control Systems	2	400	800
Safety Upgrades to Lab	1	5,000	5,000
			$0
Total *(linked to the total amount of request line above)*			**$61,470**

Please return form via e-mail in Excel format to: tina.clonts@business.gatech.edu | 10/12

III. Continuation of narrative justification, if necessary