



**Office of Institutional Research,
Assessment and Planning**

MEMORANDUM

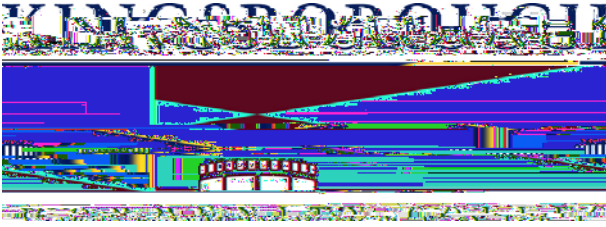
To: Mr. Brian Cohen
Vice Chancellor and University Chief Information Officer

From: Dr. Richard Fox

A handwritten signature in dark ink, appearing to be the initials "R.F." or similar, written over the printed name "Dr. Richard Fox".

Re: Kingsborough 2016-2017 Student Technology Fee Plan

Date: April 4, 2016



Student Technology Fee Plan

2016-2017

April, 2016

2 Y H U Y L H Z

Kingsborough Community College's Student Technology Fee Plan for 2016-2017 was designed by the President's Advisory Committee with input

Leibel Gordon – Student Government Representative
Mr. Mark Eaton –Library Department

3 U R M H F W V D Q G , Q L W L D W L Y H V 6 X S S R U W H G I R U

- x Augmentation / Maintenance of Networking Infrastructure
- x Augmentation of Connectivity
- x Blackboard – Mobile
- x Business Continuity
- x Class Capture System
- x Computerization of Classrooms
- x E-Portfolio (Digication)
- x Instructional Software Upgrades
- x Library Databases and eBooks
- x Print Management Solution (Pharos)
- x Replacement of Computers in Labs
- x Replacement of Printers
- x Replacement of Servers
- x Smart Class Rooms
- x Smart Labs
- x Upgrade – Expansion and Enhancement of Labs
- x Tablets / Laptops for Students
- x Video in Class Rooms and Labs
- x Virtual Desktop Initiative
- x Wireless Expansion and Upgrade
- x Wireless Printing

The number of devices (whether BYOD or from a station base) is increasing at the rate of 25% per year; the infrastructure set up six years ago, though still reliable, is showing signs of strain. We plan for the coming years to increase our installed base by another 15 percent just in thin clients in class rooms. We also need to replace our warranty switches and upgrade them to the 10 GB backbone.

7KH EXGJHW DOORFDWLRQ IRU WKLV SURMHFW LV

Switch Closet Uplinks moved to X8 (increased bandwidth) that host Podium machines, Thin clients, and wireless access points:

- E Cluster
- U118
- V220
- L103
- L502
- L302
- L132
- S246
- U219
- U203
- S219
- V120
- V109
- A201
- A217
- A227
- V215
- L702

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In order to augment the internet connectivity Kingsborough is leveraging alternate access to the internet; this provides us with direct connectivity to internet as well as bigger and faster access.

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Bandwidth was doubled from 500 MB to 1GB on existing the link and an additional link for 300 MB was added at the other data center to provide redundancy for internet connectivity in case of catastrophic failure in one Data center. The total bandwidth was increased from 500 to 1.3 GB.

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Initiation of a rapid software deployment system resolved the issue of limited access to computer labs which has made traditional installation nearly impossible. This has taken care of faculty and students

Various software titles upgraded or in process of upgrading including MS Office, Adobe Cloud, Windows Operating System, Deep freeze.

/LEUDU\ 'DWDEDVH3 UDRM H%RRNV

Procuring various titles for library databases as requested by Academic Services.

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7KH IROORZLQX EDVWDSWLRQ VZHUH SXUFKDVHG YLD 7HFK)HH

1. Vendor: TheGaleGroupInc, Amount: \$ 16,986.46

2. Vendor: WestchesterAcademidLibrary Amount \$ 11,250.00

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- x Support for recently deployed pay-for-print system with support for workstation reservations to additional open labs. Expansion of remote printing from home and wireless stations. Expanding reservation facilities to L-300 computers. M-220.

x 7RWDO EXGJHW DOORFDWLRQ

Upgraded to latest version and added servers for redundancy and speed. The reservation system has allowed reduction IT staff in the L-100 area.

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- x Replace 265 computers in the labs based on a 4-year refresh cycle.
- x Replacement of 35 existing podium computers.
- x Upgrading computers under warranty which have 4 GB of ram to 8 GB and upgrading them to 64 bit image.

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Computers replaced in L-100 A, B, C and D section, T6 Testing Lab

25 Podium Computers have been replaced.

About 60 computers that had 4 GB have been upgraded.

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- x Replace out of warranty network printers in labs.

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Replaced 8 printers in labs

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- x Replace out of warranty servers supporting the ~~allow~~ for virtualization of blade servers and stand-alone servers. Addition of memory and ~~process~~ existing servers is part of the project.
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One server has been upgraded and another one is in Procurement phase

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- x The Smart classroom project would be implemented in 4 additional class rooms. Approximately 32 out of warranty projection systems will be replaced.

Currently there is a need to bring in TV and Cable channels and streaming sources. This new solution will accomplish the following;

- x Improve IPTV performance
- x Reduce the need for specialized software
- x Unlimited endpoints, video to every desktop on campus

7 R W D O % X G J H W D O O R F D W L R Q

We are in the process of adding the VECOAX-PRO4-HD-IP-SR-HDMI VeCOAX PRO4 HD IPTV Encoder system. This will allow a cable feed to be projected on demand to any location within the campus for instructional purposes.

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- x We will continue the process of adding access points in class rooms and exterior areas to accommodate wireless use through11>5(ited e()Tj /C2_0<ies ro Tc 0.00120015>-20<0015>-20<000

- d. L100C24,082blackscansand45,939colorscans= 70,021total
 - e. L100D5,037blackscansand8,820colorscans= 13,857total
7. A bookscanningstationwasaddedon the Librarysecondfloor to enablestudentsto scan portionsof reservebooksto emailsolution.Sofar 6 areasin the campushavethis capability.
 8. Replacementof regularprinterswith Multi rfunction machineshassavedusabout\$25,000in printing costthis year.Beloware the statsfor different areas.

M22065,317
L100A905,683
L100B440,907
L100C230,984
L100D393,490

& R P S X W H U L J D W L R Q R I & O D V M U R R P V 3 U R M H F W

In order to meet the growing need for computers and using computers for instructional purposes, we have embarked on a project to deploy computers in classrooms. We are planning on adding over 50 wireless thin clients and tablets. Total budget allocated for this project including hardware, electrical work, deployment of furniture and construction needed to convert the current lecture style classrooms to dual-purpose rooms and installation is \$ 150,000.

Following rooms are to be part of this project.

Room	Existing Seats*
T-4111	65
T-4206	50

*Seat count may change with modifications

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x E-Portfolios are platforms for students, teachers,

- x Support for recently deployed pay-for-print system with support for workstation reservations to additional open labs. Expansion of remote printing from home and wireless stations. Expanding reservation facilities to other areas.
- x 7 R W D O E X G J H W D O O R F D W L R Q

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- x Replace 357 computers in the labs based on a 4-year refresh cycle.
- x Replace 66 MAC computers in Graphic Labs based on a 4 year refresh cycle.

Room	PC's	Model	WarrantyEndDate	Typeof warranty	PC
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- x Tr515
- x Tr516
- x Ur218
- x Ur227A
- x Vr118
- x Vr122
- x Vr123
- x Vr204
- x Vr214

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Additional ceiling mounted projection systems will be installed in three labs. The replacement of five out of warranty projectors will also take place.

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- x In last fiscal year a project was started to update the labs by replacing the existing makeshift

- x A pilot project was initiated using VMware Horizon product to provide 30 students concurrent access to fashion design software via laptop and handhelds was initiated in last fiscal year. The virtual lab would allow students who were lacking the ability to practice and use this software outside the physical lab that has the fashion design software installed. It also ameliorates the need for additional licenses for the operation while allowing students to do homework assignments. In the Fiscal Year 2016-2017 an additional 60 concurrent student access licenses will be added.

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- x We will continue the process of adding access points in class rooms and exterior areas to accommodate wireless use through thin client mobile devices. The project entails

Sub-Total

Faculty Development and Training
