

- x Ensuring that the college continues to systematically upgrade hardware and software
- x Ensuring that resources are as accessible as possible through loan programs, Wi-fi access and in-class technology
- x Ensuring as broad access as possible by expanding lab hours, weekend and evening support, help desk, etc.

capable of being multi homed for business continuity and 24/7 operations. The new switches were deployed in L-304, M-108, M-425 and M-246A.

Application Streaming Project

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 improved our ability to address the needs of faculty and students who want certain applications on their own PCs, while at the same time managing software licensing costs. These applications are uninstalled based on time tokens.

Blackboard Mobile Project

Blackboard Mobile Central is a comprehensive suite of campus services targeting students, faculty, administrators, alumni and our broader community on both native and mobile web platforms. It was designed with scalability in mind. Because it is impossible to fully plan for the vast array of devices to come in the future, the College will be building a Central Service to house data so that it can be repurposed across all platforms/devices. In this way iPhone®, BlackBerry®, Android® and future mobile operating systems will be able to access the Blackboard Mobile Central application through the same Central Service on the backend.

Business Continuity Project

In order t

every classroom. By replicating the familiar interface of a home DVR, users can schedule, search, and clip recordings using the client software with little or no training.

Deployment of Pharos Sign-up workstation reservation system

Computers in the open labs in L100 A,B, C sections, as well as other open labs will, in the near future, be configured for the exclusive and fair use of Kingsborough students. The introduction of SignUp by Pharos leverages our continued investment in Active Directory. Students will be able to reserve a computer for 90 minutes in the open lab. In addition, the SignUp system also displays a student's place in line. Two large screens have been installed in the L100 area so students know where they are in the cue and can estimate their waiting time. This will significantly improve customer service and reduce the stress for both IT staff and students

Deployed Self-Service Account management system

With the deployment of the new student email system, Pharos Uniprint and Signup, a simple self-service method was needed for student to look up their information. KBAM (Kingsborough Account Management) was created in house to solve this problem. Students are able to look up their email address, reset their password, access their old email (if they were a student prior to fall 2011) and access their new email.

ePortfolio (Digication) Project

ePortfolios are platforms for students, teachers, alumni, and professionals to showcase their work and ideas. They are archives of learning, discovery, progress, achievement and reflection. A few uses of ePortfolios include assessment, admissions, interactive resumes, student galleries, teacher resource sites, collaborative project portfolios, and research presentations. KCC is using Digication for 800 students and faculty.

Faculty Computers

- x Replaced 75 faculty workstations based on 4 year refresh cycle

Fashion Design Institute Project

- x Expanded access to the Fashion Design Software in Open Labs and added an additional server for the Fashion Design curriculum.

Instructional Software Upgrade Project

- x

Library Databases and eBooks

- x Increased investment in Library databases for various titles with the direction of both the Chief Librarian and Provost. Will embark on eBooks project.

Print Management

Expanded Pharos Uniprint - Pharos Uniprint (pay for print) has been deployed to all the open lab areas. The introduction of this system has made a huge impact on reducing the waste and abuse of the printers in the open labs. We have also expanded Uniprint to one copier on the second floor in the Library by the elevators. This one copier is part of the campus remote/wireless printing service. This new service will allow students from their own computers to print documents to the copier on the first floor. This service, located at remoteprinting.kingsborough.edu, is accessible both on and off campus on computers running Windows XP or later and Mac OS 10.5 or later operating systems. This is one of the campus' first private cloud applications.

Replacement of Computers and Printers in Labs

Pharos Uniprint (pay for print) has been deployed to all the open lab areas. The introduction of this system has made a huge impact on reducing the waste and abuse of the printers in the open labs. We have also expanded Uniprint to one copier on the second floor in the Library by the elevators. This one copier is part of the campus remote/wireless printing service. This new service will allow students from their own computers to print documents to the copier on the first floor. This service, located at remoteprinting.kingsborough.edu, is accessible both on and off campus on computers running Windows XP or later and Mac OS 10.5 or later operating systems. This is one of the campus' first private cloud applications. speed and usability of the systems where needed as detailed below. In all, 330 computers were replaced based on a 4 year refresh cycle.

New Printers were deployed in many labs to increase the uniformity of the labs and / or replace smaller printers with heavy-duty printers where needed as detailed below. Nine network printers were replaced in labs.

The equipment replaced is as follows:

M-109

- x Deployed 31 Dell Optiplex 780 computers and a new HP P4015 Printer. Image converted to Windows 7

M-110

- x Deployed 31 Dell Optiplex 780 computers and a new HP P4015 Printer. Image converted to Windows 7

M-111

- x Image converted to Windows 7. HP P4015 printer Deployed

M-114

- x Deployed 31 Dell Optiplex 790 computers and a new HP P4015 Printer. Image converted to Windows 7

M

T6- Testing Center

- x 379"REøu"wr itc f g f"vq" F g m"Q r v k r n g z"5:2øu

L-100

- x Image upgraded to Windows 7
- x 5"Rtkp v g t u" W r i t c f g f"vq" J R";272øu
- x Pharos Signup implemented on Section A, B and C D to follow

L-200

- x Image upgraded to Windows 7

L-218B

- x T q q o "E q p x g t v g f"vq" c" E q o r w v g t" N c d"59" F g m"Q r v k r n g z"9:2øu" c f f g f
- x Projector Mounted in Room, configured Teacher Station
- x HP Laserjet P4015 Printer Deployed

L-304

- x Upgraded to Windows 7 use, u r i t c f g f"32" R E ø u"vq" Q r v k r n g z 9:2øu

T-243

- x 47"REøu"wr itc f g f"vq" F g m"Q r v k r n g z"9:2øu

T-4264 Cope

- x 47"REøu"wr itc f g f"vq" F g m"Q r v k r n g z"9:2øu."Rtkp v g t" w r i t c f g f"vq" R4237

Smart Class Room Project

- x 3M Projection systems and Smart, White Boards Podiums with computers deployed and installed in 11 additional class rooms.

Smart Labs Project

Testing Center test management application

- x The Testing center in T6 has been in need of a more effective way to deploy and manage

Science labs are projected to be converted in the summer of 2012 pending software compatibility and faculty acceptance.

TECHNOLOGY FEE Projects 2012-2013

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Augmentation /Maintenance of Networking Infrastructure Project

Expanding the upgrades to include switches on the IC network in the Science Labs in S 1st, 2nd and 3rd Floor. The budget allocation for this Project is \$60,000.

Application Streaming Project

Continuing the support for application streaming with the attendant benefits to the College community and the management of software costs. Again, these applications are uninstalled based on time tokens. The total Budget allocation is \$ 21,000.

Blackboard Mobile Project

The initial piloting of this project has resulted in a significantly higher than expected demand. This initiative will indeed allow us to support iPhone®, BlackBerry®, Android® and other mobile operating systems accessing the Blackboard Mobile Central application through the same Central Service on the backend. Total cost \$29,000.

Business Continuity Project

In order to support 24/7 operations and to reduce downtime we propose continuing to augment the infrastructure and provide redundancy and fault tolerance where possible. Total Budget allocation is \$82,000.

Computerization of Classrooms Project

In order to meet the growing need for computer

furniture and construction needed to convert the current lecture style rooms for dual purposes including installation is \$ 490,000.

Digitization of Licensed Media Project

The continued support for the project detailed above. Total cost \$7,000.

ePortfolio (Digitization) Project

Current demand for ePortfolios among the faculty indicate that the number of users will grow to 900 students or more in the coming year. KCC plans on using Digitization at a total projected budget allocation \$6,000

Instructional Software Upgrade Project

- x Upgrade Adobe Software to the latest version in all Labs.
- x Replace the software in Tourism with Sabre for Travel agent training and Opera PMS budget allocation \$12,000.
- x Upgrading following Labs to Windows 7
M415, M118, M101, M108, F206, S101, S103, S114, S125, S135, S226, S237, S214, S301, S302, S303, S304, S324, S325, S333, S346, S347, S348
V225

Library Databases and eBooks

Expand the resources available through our Library databases and increase the availability of eBooks. Total Budget allocation \$ 285,500.

Print Management Solution (Pharos) Project

Expansion of deployed print management system with support for workstation reservations to additional open Labs. Expansion of Remote Printing from home and Wireless Stations, Total Budget Allocation \$11,000.

Replacement of Computers in Labs

- x Replace 15 existing Podium Computers.
- x Add additional 12 Podium Computers for new smart class rooms.
- x Replace 75 faculty computers based on 4 year refresh cycle.
- x Replace 58 Apple (f)-6(tT/P AMCd3534t c)5(lass r)3(ooms)uicBT1 0 0 1 371.11 317.81 Tm(R)-2(e)4(pl.

LAB	# of Computers
L-100	144
L-200	21
L-705	10

M

Wireless Expansion and Upgrade Project

- x Continuation of the process of upgrading access points to the newer faster N standard and addition of dedicated access points in class rooms and exterior areas to accommodate wireless access for thin clients and mobile devices. Project entails adding 200 access points with N standard access points, taking care of blind spots based on RF analysis. Budget Allocation \$ 103,000 for access points, \$22,000 for additional Node Licenses and \$ 70,000 for cabling/enclosures. Total Budget Allocation \$195,000

It is our belief that this plan advances the educational agenda of Kingsborough in a way that respects the views of a wide range of constituencies yet remains faithful to our core mission. To ensure that the projects listed here remain on task, the Tech Fee Committee will meet to assess progress and, when necessary, make changes in technology or circumstances.

The attached budget provides additional detail on the expected expenditures including temp services, contractual services, etc.