

**Student Technology Fee Plan  
2015-2016**

**Project #1**

**College:** Borough of Manhattan Community College

**Project Name:** Interactive Wayfinding

**Expected Start Date:** September 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Peter Dinh

**Proposed Budget:** \$200,000

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**Description of Project:** This project will implement touch-screen interactive digital wayfinding screens at each main entrance. Students will be able to search for offices, view a building map with directions and receive text messages with step by step directions to their desired destinations.

**Rationale:**

Finding the locations of offices, labs and classrooms can be can be daunting for BMCC students and visitors. This system will help students better navigate and utilize the resources available to them on the BMCC campus.

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**New/Continuing:** New

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** Usage statistics will be collected and analyzed for frequency of use and types of searches.

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** 212-220-8327

**Student Technology Fee Plan  
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**Project #2**

**College:** Borough of Manhattan Community College

**Project Name:** Wireless Tablet Classroom Projection

**Expected Start Date:** September 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** TBD

**Proposed Budget:** \$100,000

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**Description of Project:** Implement wireless projection capabilities for iPads and other table devices in classrooms, labs and other instructional spaces.

**Rationale:** Demand for this capability is strong and it will enhance the use of technology in teaching and learning by providing flexibility and display options for faculty and students.

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**New/Continuing:** NEW

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** Annual Faculty TEC room survey

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** 212-220-8327

**Student Technology Fee Plan  
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**Project #3**

**College:** Borough of Manhattan Community College

**Project Name:** Network Upgrade to support 10gig & 40gig Connectivity

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Amish Batra & Flavio

**Proposed Budget:** \$150,000

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**Description of Project:** This project is to upgrade existing Network Infrastructure (Switches, Fiber Cables & Intra Building Laser) at all our 3 Campuses to provide 10gig throughput to all IDF closets & deploy 40gig backbone at chambers & Fiterman hall street campuses.

**Rationale:** The network infrastructure upgrade will provide faster access to download & applications like SharePoint, Email, Windows live, Office 365, IOS/Android market store etc will load almost instantly. This upgrade will allow all system administrator to do patching, run backups, replicate data between two campuses, updates, and push new software in a day time without putting any constraint on uplink port.

**New/Continuing:** Continuing

**If Continuing, evidence of effectiveness from the previous year:** The similar upgrade of network has been done for our main campus at Chambers Street and we were able to reduce imaging time by 80%, User can access network share drive instantly, download time got reduce by 50% or more and can collaborate much faster than before.

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:**

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
2015-2016**

**Project #4**

**College:** Borough of Manhattan Community College

**Project Name:** Wireless upgrade to 802.11ac Wave2 standard at Fiterman hall & improve redundancy at all our campuses

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Flavio & Amish

**Proposed Budget:** \$200,000

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**Description of Project:** The project is to upgrade our current wireless infrastructure at Fiterman Hall to support newer wireless standard 802.11ac wave2 & add new AP's to improve density.

**Rationale:** The replacement of current wireless access points with newer ones to support 802.11ac standard. The upgrade will provide up to 1gig speed to all users, increase battery life of their portable device by 45%, better range, seamless roaming, auto channel to avoid interference frequency & more. Having a high-performing 802.11ac infrastructure will allows us to expand our capabilities in the classrooms & built smart classrooms.

**New/Continuing:** Continuing

**If Continuing, evidence of effectiveness from the previous year:**

We did rollout 802.11ac wireless access points in Murray Street & Chambers street campus and all students are seeing faster internet access, higher density, rare blind spots and faster download speed.

**If New, description of how effectiveness will be assessed:**  
**Assessment of Project:**

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
2015-2016**

**Project #5**

**College:** Borough of Manhattan Community College

**Project Name:** Self-Help Kiosks for Students (Phase-4)

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Jian & Aurel

**Proposed Budget:** \$20,000

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**Description of Project:** The project will continue to provide self-service kiosks in high-traffic areas. We will increase the Kiosks locations throughout all our three Campuses. The kiosk will serve two basic functions self-service or act as a user desktop.

**Rationale** Our current Kiosks are strategically placed in Main, Murray & Fiterman Hall Campus; increasing the deployment in all three campuses will further reduce the lines at helpdesk. The kiosks will provide a convenient and faster way for students to access the BMCC and CUNY portals, change/reset passwords, access CUNYfirst and see other enrollment related information from all 3 locations.

**New/Continuing:** Continuing

**If Continuing, evidence of effectiveness from the previous year:** With Kiosk rollout we have cut down the password reset request by 90% & our reports show students resetting their password & accessing various applications without coming to the helpdesk.

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:**

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
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**Project #6**

**College:** Borough of Manhattan Community College

**Project Name:** VDI rollout in Labs & Classrooms in all 3 campuses

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Jian, Aurel, Cyril & Amish

**Proposed Budget:** \$150,000

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**Description of Project:** This project is to buy additional licenses, hardware & storage to expand VDI in all of our labs and classrooms.

**Rationale:** We currently have 500 plus Virtual Desktop machines in 3 of our campuses and 200 of them are used in CIS labs which requires higher IOPS for faster boot, greater response time, scaling as needed & more on-demand requirement. As we expand our VDI technology in more area, we need additional hardware & software to support new infrastructure.

**New/Continuing:** Continuing

**If Continuing, evidence of effectiveness from the previous year:** we have been using VDI from past 7years & support 500 & more machines in 3 of our campuses from single pane of glass. The performance is excellent & we barely get trouble tickets which used to be in double figures each semester.

**If New, description of how effectiveness will be assessed:**  
**Assessment of Project:**

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
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**Project #7**

**College:** Borough of Manhattan Community College

**Project Name:** Advancement of security for instructional to prevent botnet and malware.

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Barry & Amish

**Proposed Budget:** \$100,000

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**Description of Project:** This project is to enhance security measures in all instructional areas (Labs, Cafeteria, Servers, Portable devices, Laptops etc).

**Rationale:** All students access resources like Portal, BMCC website, instructional websites etc. will moved behind F5 & integrated with Multi-layer inline approach. This upgrade will allow our security team to proactively monitor and prevent network attacks.

**New/Continuing:** Continuing

**If continuing, evidence of effectiveness from the previous year:** We have rolled out Palo Alto & Forti Sandbox to replace FireEye and seeing optimistic results in application visibility. The new technology give us inside view if users are infected with malware or botnet in real time.

**If New, description of how effectiveness will be assessed:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:**

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212)-220-8327

**Student Technology Fee Plan  
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**Project #8**

**College:** Borough of Manhattan Community College

**Project Name:** SIS Application Development

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Laszlo, Beena & Amish

**Proposed Budget:** \$100,000

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**Description of Project:** This project is to buy software, pay licenses & consultant to help BMCC application developer team to develop/support key student's access applications/systems as part of our CUNY first migration.

**Rationale:** Students will be able to access applications like Graduation Apply, Miscellaneous appeal, change of major, Title IV appeal etc. 24\*7 & cut lines at all SIS offices by 90%.

**New/Continuing:** Continuing

**If Continuing, evidence of effectiveness from the previous year:** We have implemented cluster database & supporting applications like grade change, student verification at security desk & integrated shadow system with Access control for face recognition etc. The shadow system developed in-house is the best way to support BMCC centric applications without compromising security & accessibility. Our reports shows all the applications build by CCC are used on a daily basis.

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:**

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327



**Student Technology Fee Plan  
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**Project #9**

**College:** Borough of Manhattan Community College

**Project Name:** Hardware upgrade in Data Center.

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Amish & Cyril

**Proposed Budget:** \$100,000

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**Description of Project:** This project is to upgrade and rollout new hardware in our Chambers & FH Data Center to support growing demand of applications.

**Rationale:** The new hardware will provide reliability, faster speed for all applications, reduce heat foot print, save time on repair/replacement etc. The new hardware ASIC will be ready to support VDI (Virtual Desktop Infrastructure).

**New/Continuing:** Continuing

**If Continuing, evidence of effectiveness from the previous year:**

We have been upgrading all end of life Equipment College wide and we barely get any support ticket for hardware failures.

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:**

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
2015-2016**

**Project #10**

**College:** Borough of Manhattan Community College

**Project Name:** Computer Hardware Replacement

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Tom Lew

**Proposed Budget:** \$200,000

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**Description of Project:** Continue to replace academic workstations throughout the college. In addition to teaching labs the library, Office for Services for Students with Disabilities and Learning Resources Center will also have systems replaced.

**Rationale:** Replace hardware on a 4-5 year cycle in order to continue to support latest versions of academic software. Software includes but not limited to ACT adaptive testing, Microsoft 2013 Office Suite, Adobe Creative Suite, AutoCAD, Matlab, and updated dept specific programs. This will improve the student computing and research experience.

**New/Continuing:** Continuing

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** End of semester student computer facilities surveys and college wide surveys to determine if the new computers have improved students ability to complete assignments in an efficient timely fashion.

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
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**Project #11**

**College:** Borough of Manhattan Community College

**Project Name:** Software License Renewals

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Tom Lew

**Proposed Budget:** \$95,000

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**Description of Project:** Purchases and renewal of academic software licenses including accutrack, CREO, deep freeze, data domain, Hots, Labstats, Pro E, Quickbooks, SQL, Vision software.

**Rationale:** The above listed software permits the academic programs to upgrade their software to current levels. The backroom programs permit the distribution of program software, backup of data, security of workstation software and powering up/down of equipment during off hours for software update and to save energy.

**New/Continuing:** Continuing

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** End of semester student computer facilities.

**Project Sponsor/Submitted by:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
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**Project #12**

**College:** Borough of Manhattan Community College

**Project Name:** Technologically Enhanced Classroom Update

**Expected Start Date:** September 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Tom Lew

**Proposed Budget:** \$150,000

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**Description of Project:** Technologically Enhanced Classrooms will continue to be upgraded with laser light projectors which will be 25% brighter and will eliminate bulb replacements. The process of installing control panels for audio visual equipment in lecture rooms will continue.

**Rationale:** Upgrade facilities in TEC rooms to improve presentations by both faculty and students to enhance the classroom lecture experience.

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**New/Continuing:** Continuing

**If continuing, evidence of effectiveness from the previous year:**

Increased use of technology to support teaching and learning.

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** Annual Faculty TEC room survey.

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
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**Project #13**

**College:** Borough of Manhattan Community College

**Project Name:** Additional Online Video Storage and Proxy Capabilities for Post-Production

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** John J Gallagher

**Proposed Budget:** \$250,000

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**Description of Project:** To support the growth and expansion of the Video Arts and Technology Program and allow for the development of enhanced HD file based workflows for video the Media Center will expand the available storage for motion picture post production by adding a minimum of an additional 64 Terabytes of storage and additional capabilities for proxy based editing.

**Rationale:** The ongoing transition of the motion picture, television and cable industries from physical tape and film media to online data storage along with the concurrent development of high resolution digital formats such as Ultra HD requires a steady increase in available online storage and bandwidth. As the academic programs move to these formats the Media Center must add additional storage to meet the need.

**New/Continuing:** NEW

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

Through faculty interviews and a survey and assessment of student projects.

**Assessment of Project:**

Working with Institutional Research we will interview faculty to determine the impact it has had on teaching and learning and how it has impacted on student projects. We will also survey them using a Likert type instrument. We will also analyze student projects.

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327

**Student Technology Fee Plan  
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**Project #14**

**College:** Borough of Manhattan Community College

**Project Name:** Upgrade of Studio Lighting to Energy Efficient LED System  
Meeting for Television Production

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** John Gallagher

**Proposed Budget:** \$200,000

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**Description of Project:** The college will replace the dimmer system, wiring, grid and lighting instruments used in the large television studio with a state of the art professional system using LED lighting with DMX control technology. The system will have a 24/48 console and a mix of Fresnel, ellipsoidal spot, broad and other instruments needed for teaching and doing television production at a professional level. This system will also result in an at least 80% decrease in electrical use and an equivalent drop in the need for additional HVAC needed to operate the facility, meeting institutional needs for energy efficiency.

**Rationale:** The lamps and instruments used for professional broadcasting, television, cable and film production lighting are an energy intensive technology with even the smaller instruments using more than five times the energy of a traditional home lamp. For this reason facilities for production are significant users of electrical power. As most of the electrical energy used is converted not to light, but instead to heat, these facilities also require extensive and expensive HVAC systems even in the cooler months of the year.

Because of this the film and television industry are moving to lower wattage more efficient LED and florescent lighting instruments and control systems. Overall, energy savings of 80-90% can be anticipated. Solid state LEDs also have the advantage of being able to change output without dimmers, change color

temperature without the use of gels and eliminate the need for annual replenishment of expensive quartz lamps with a limited lifespan.

The installation of an LED lighting system suitable for television production will result in significant ongoing cost savings for the college in energy, materials and supplies.

Most importantly, it will also allow for students to learn with modern equipment that is being installed in contemporary broadcast, cable and theatrical facilities.

**New/Continuing: NEW**

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

Through faculty interviews and survey. We will also analyze energy and expendables savings.

**Assessment of Project:**

Working with Institutional Research we will assess this project through a survey of faculty on how the new equipment has impacted their teaching. Working with Buildings and Grounds we will also determine energy savings and lowered cost of materials such as theatrical lamps.

**Project Sponsor/Submitted By:** Joseph Spadaro, Vice President for Technology

**Phone Number:** (212) 220-8327



**Student Technology Fee Plan  
2015-2016**

**Project #15**

**College:** Borough of Manhattan Community College

**Project Name:** Renewal of library database subscriptions and online services

**Expected Start Date:** September 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Sidney Eng

**Proposed Budget:** \$130,000

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**Description of Project:** Continuation of existing library subscriptions and online services.

**Rationale:** The library aggregates and makes available an extensive arrays of electronic resources, including e-books for both on-campus and off-ampus research use by faculty and students. Our goal is to be comprehensive, balanced and continuing. Decisions to add or delete a resource are based on curriculum needs and usage.

**New/Continuing:** Continuing

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** Annual BMCC surveys and usage statistics

**Project Sponsor/Submitted By:** Sidney Eng, Chief Librarian

**Phone Number:** 212-220-1499

**Student Technology Fee Plan  
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**Project #16**

**College:** Borough of Manhattan Community College

**Project Name:** PARAMEDIC EQUIPMENT

**Expected Start Date:** September 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Professor Gene Iannuzzi

**Proposed Budget:** \$60,310

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**Description of Project:**

**Phillips Monitor/Defibrillator: \$40,000**

**Laerdal Megacode Kelly Manikin with Sim Pad (2): \$20,310**

Enhancement and upgrade of training hardware for Paramedic Program

**Rationale:** Items necessary to maintain current levels of practice for increased program student population and to meet national accreditation requirements.

**New/Continuing:** Continuing

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** National and state testing standards require increased levels of simulation; items will be added to existing hardware to meet instructor/student/equipment ratios.

**Project Sponsor/Submitted By:** Professor Gene Iannuzzi

**Phone Number:** 212-220-8342

**Student Technology Fee Plan  
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**Project #17**

**College:** Borough of Manhattan Community College

**Project Name:** RESPIRATORY THERAPY EQUIPMENT

**Expected Start Date:** September 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Professor Everett Flannery

**Proposed Budget:** \$60,000

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**Description of Project:** Every year, technological advances are incorporated into new respiratory therapy equipment. To maintain our ongoing accreditation, we are required to provide the Respiratory Therapy Students with the ability to learn on the kinds of equipment that they will work with once they graduate. We therefore propose to purchase the following new equipment:

**Percussionaire's Volumetric Diffusive Ventilator VDR-4: \$60,000**

**Rationale:** Mechanical ventilation therapy is one of the most important job functions of a respiratory therapist. Mandated accreditation guidelines require that students be trained on the type of equipment they are likely to encounter once they graduate and are employed. This ventilator is being used in a number of our affiliated hospitals with great success on neonates, infants and adults with cardiopulmonary disorders.

**New/Continuing:** NEW

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** End of semester student surveys.

**Project Sponsor/Submitted By:** Professor Everett Flannery

**Phone Number:** 212-220-8336

**Student Technology Fee Plan  
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**Project #18**

**College:** Borough of Manhattan Community College

**Project Name:** Lynda.com Online Training Access

**Expected Start Date:** September 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Christopher Stein

Proposed Budget: \$28,800

This option would give access to MEA majors plus all faculty and staff at BMCC.

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**Description of Project:** Lynda.com has online, on-demand video training across a broad range of topics including most major software, digital media creation and business skills and professional development.

Depending on the option chosen this project would give access to the entire library of courses (currently over 3,000) to the identified set of BMCC students, faculty or staff. It would also give BMCC access to a suite of administrative tools which can be used by professors at the course level and other admins at a more global level. Lynda.com is accessible through desktop computers as well as tablet and phone apps.

**Rationale: Self-Paced Student Learning**

In the Media Arts and Technology department part of the instruction in the production classes covers software packages. The classes themselves are much more than just software instruction

classes, they teach students the art and craft of creative work and being a creative professional. Still it is the software instruction that is often learned at very different speeds by students. The Lynda.com library covers all of the areas taught in the MEA department (web, graphic design, video, sound, animation and motion graphics) and access to it would allow faculty to shift some of that learning outside of the classroom and allow students to go at their own pace.

If the license is extended beyond the department then other course that involve software instruction could see the same benefits.

### **Lower Textbook Costs**

In some MEA courses the purpose of the textbook is primarily.

### **Internship and Career Development**

BMCC is currently undergoing a shift in its approach to internships with planned expansions to more students. The Lynda.com library has a number of courses around career planning, resume writing, interviewing and more. This could be leveraged by the College as the new internship models come into place.

### **Broaden Faculty Development Opportunities (and potentially lower costs)**

Many faculty are interested in training on software as part of their professional development. In a department like MEA this software is highly specialized and it is difficult and expensive to arrange in-person trainings. Lynda.com would make this kind of training possible, relatively simple and cost effective.

These benefits can also be seen in less specialized areas. The eLearning center currently offers training in the following software that Lynda.com also offers: Blackboard, Excel, PowerPoint, Outlook and Digital Photography. Lynda.com access would allow faculty to train in those on their own time and greatly expand the topics covered beyond what is possible at the eLearning Center.

The Lynda.com management package would also allow creation of hand-picked packages of courses for groups of people like new-hires, department staff etc.

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**New/Continuing: NEW**

**If New, description of how effectiveness will be assessed:**

### **Assessment of Project:**

**Use.** This would be a key metric. The management package offered by Lynda allows access to this data at a relatively granular level.

**Satisfaction. Through surveys of participants.**

**Retention.** In sections where Lynda.com is used, retention rates could be compared to sections without Lynda.com.

**Lower Textbook Costs.** If Lynda.com is used in place of a textbook the cost savings to students would be measured.

**Lower Training Costs / More Training.** Data can be captured to see if more faculty and staff are getting trained and a cost comparison per trainee compared to the cost per trainee before Lynda.com could be made.

**Project Sponsor/Submitted By:** Christopher Stein, Associate Professor, Media Arts and Technology

**Phone Number:** (212) 220-8383

## **Student Technology Fee Plan 2015-2016**

### **Project #19**

**College:** Borough of Manhattan Community College

**Project Name:** VOCAT: Online Assessment of Student Work

**Expected Start Date:** June 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Christopher Stein

**Proposed Budget:** \$3,450 – \$8,450

**\$3,450 1 SnagIt Screen Capture Software.** 150 licences @ \$23 each. to outfit teaching classrooms, study labs and eLearning computers.

**\$5,000 2 Individual Recording Booths.** Two computers equipped with a camera and microphone and recording software such as SnagIt to allow students to record themselves.

There is also a need for video taping students in a classroom. This could be done with existing equipment and personnel.

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**Description of Project: Phase 1: Discovery,** Summer and Fall 2015

Identify faculty and courses that will use VOCAT in the Pilot Implementation and the way in which they will use it.

Coordinate between Baruch, eLearning, Media Center and College Computer Center to develop training and technology implementation plans.

At the moment the budget reflects three ways in which media might be recorded to put into the VOCAT system:

1. Students use screencast software to make recordings of screen-based work (such as web sites or graphic design projects).
2. Students record themselves sitting in front of a computer equipped with a webcam and microphone
3. Faculty or Media Center staff record students in the classroom.

During Phase 1 these would be confirmed and process flow worked out.

**Phase 2: Pilot Implementation, Spring 2016**

While the goal is to have courses using the software by Spring 2016 semester it is possible that some courses could use it as early as the Fall 2015 semester.

**Phase 3: Assessment and Next Steps, Spring 2016**

Get a final count of sections that used the software, conduct faculty and student satisfaction surveys. Plan for modifications to the program for the following school year.

**Rationale:** A number of different departments have indicated that VOCAT could be used to directly support student learning. Currently those are:

- Media Arts and Technology: students will use screencast software to record presentations of their projects. Presentations will be evaluated by faculty and peers using VOCAT
- Speech, Communications and Theatre Arts: Faculty doing research, teaching speech and theatre courses have identified a need. Most uses involve video taping students. They would need support creating a process to record and upload the videos.
- Modern Languages: Students would record themselves speaking in a language and then these recordings would be evaluated on VOCAT using a rubric. They would need assistance creating a process for students to record videos

There are other departments that could potentially use VOCAT.

**New/Continuing:** NEW

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:**

- Number of sections using the software
- Faculty Satisfaction Survey
- Student Satisfaction Survey

**Project Sponsor/Submitted By:** Christopher Stein, Associate Professor, Media Arts and Technology

**Phone Number:** (212) 220-8383



**Student Technology Fee Plan  
2015-2016**

**Project #20**

**College:** Borough of Manhattan Community College

**Project Name:** Federal Work Study (FWS) Online Job Placement System Annual Renewal of Ongoing Project

**Expected Start Date:** July 1, 2014

**Expected End:** June 30, 2015

**Person Responsible for Project:** Ralph Buxton

**Proposed Budget:** \$15,000

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**Description of Project:** The original goal of this project was to design and implement a web-based multifunctional student employment system for the FWS program which will permit electronic submission and web display of job opportunities; candidate/employer match; placement, referral and tracking; e-forms processing; and automated time entry for payment.

**Rationale:** Initially funded through the 2006-7 Technology Fee program the development phase is completed and began with a soft launch in summer '10 and the jobs component fully implemented with the fall 2010 semester. All components of the software were implemented in production in Spring 2012. For the past year, the focus has been to build the interconnections with CUNYfirst necessary to keep the software functioning. This has been accomplished and the summer 2014 FWS program was launched with the necessary interfaces in place. In production, this externally hosted system carries an annual licensing fee of approximately \$15,000.

**New/Continuing:** Continuing

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** Effectiveness will be assessed by two measures. First, a comparison will be made with respect to year-to-year participation rates for on-campus and off-campus employment. Second, a survey will be made of both new and continuing FWS participants as well as supervisors to elicit satisfaction levels

with the new process as well as suggestions for improvement and refinement. Accompanying this request is an assessment report that is attached.

**Project Sponsor/Submitted By:** Ralph Buxton, Director of Financial Aid

**Phone Number:** (212) 220-1432

**Student Technology Fee Plan  
2015-2016**

**Project #21**

**College:** Borough of Manhattan Community College

**Project Name:** CareerSpots

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Won Kang

**Proposed Budget:** \$3,000

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**Description of Project:** CareerSpots provides informational career advice videos from experts and industry professionals.

**Rationale:** CareerSpots allows our students to watch short videos from experts anytime of the day to assist them in career development topics such as resume writing, interviewing, and the job search process. When trying to serve over 26,000 students, it is important to have on-line resources that can assist students when career counselors are not available. Since July 2013, there have been approximately 5,000 views of the videos linked on the website. CareerSpots lends an accessible and professional voice to emphasize the many different topics surrounding career development.

**New/Continuing:** Continuing

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:**

**Project Sponsor/Submitted By:** Marva Craig, Vice President, Student Affairs

**Phone Number:** (212) 220-8170

**Student Technology Fee Plan  
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**Project #22**

**College:** Borough of Manhattan Community College

**Project Name:** Symplicity CSM Platform

**Expected Start Date:** July 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Won Kang

**Proposed Budget:** \$14,100

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Description of Project: Symplicity is the vendor for our Career Services module Career Express. Our current services include the general use of the system called Modular CSM (\$3,000), Student Tracking System (\$3,000), and Counseling Appointment system (\$1,100). We would like to add the Expanded Career Fair Manager (\$35/employer registration—estimated at \$7,000 for 200 employer registrations).

Rationale: Career Express is the system that we post all positions that we receive from employers. It is also the system that schedules our counseling appointments and tracks students' participation for all office appointments, workshops, career fairs, and events run through the office. We are requesting adding the Career Fair module which will help track all employer registrations and information about organizations that we share with students to prepare them for the career fair.

**New/Continuing:** Continuing, except the career fair module is a new addition.

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:**

**Project Sponsor/Submitted By:** Marva Craig, Vice President, Student Affairs

**Phone Number:** (212) 220-8170

**Student Technology Fee Plan  
2015-2016**

**Project #23**

**College:** Borough of Manhattan Community College

**Project Name:** Next Gen Web Solutions – Scholarship Manager

**Expected Start Date:** September 1, 2015

**Expected End:** June 30, 2016

**Person Responsible for Project:** Sussie Gyamfi

**Proposed Budget:** \$6,000

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**Description of Project:** Scholarship Manager is web-based software that matches students with school specific scholarships based upon their profile. With Scholarship Manager, the Scholarship Office can maintain scholarship details and manage the entire scholarship process through a single, easy-to-use application. We no longer have to manually enter all students' submitted applications.

**Rationale:** This software enable students to apply for several BMCC scholarships on-line quickly. It also make it easier for students to find scholarships in our database; instead of them going through several scholarships on the scholarship page, all they have to do is to enter a keyword and find scholarships that match their criteria. This allows students to review and apply for several scholarships faster. We are also able to enter new scholarships, manage and award scholarships, review and edit the student application information.

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**New/Continuing:**

**If continuing, evidence of effectiveness from the previous year:**

**If New, description of how effectiveness will be assessed:**

**Assessment of Project:** Besides being able to entirely eliminated paper application, the software manages multiple scholarship application cycles per year, meaning students can apply for either fall or spring scholarships. For those students who were denied a scholarship prior, when they reapply, their biographical information is auto filled. They also they have the choice of using their old letters of recommendation or requesting a new one. This cuts down the application process time for those students.

In addition, rather than printing all the applications for committee to review, the Scholarship Manager software allows committee members the freedom to review and score applications on-line whenever, wherever there is a computer and as time allows.

There is also a donor information feature. This feature allow the Development Office to view all the awards attach to a specific donor and run reports. Scholarship Manager has enhanced the scholarship application process for students, review committee members, and the Scholarship Office staff.

**Project Sponsor/Submitted By:** Marva Craig, Vice President, Student Affairs

**Phone Number:** (212) 220-8133