

Technology Objectives 2010-2011

Objective 1 Student Workstation Replacement & Cascading

Plan, evaluate, and recommend student workstation replacement to keep student computer equipment up-to-date. Due to funding, the standard base-line PC remains at GX270 (on an average of 7-year-old). Photo, CSIS, GIS will upgrade one classroom computers in each of the department.

Contact: Steve Peterson
Budget: \$101,000 – 10-11 CTE
Status: Completed

Objective 2 Campus Wide Software Needs

Track and renew maintenance agreements and annual licenses for software shared campus-wide during 10-11, including Microsoft campus agreement, antiviral, and more.

Contact: Steve Peterson
Budget: \$183,100 (annualized cost) – General fund
\$10,000 - IBG backfill
Status: Completed

Objective 3 Faculty Curriculum Development Workstation Replacement/new

Replace full-time faculty outdated workstations and shared-use computers in various adjunct faculty work areas that require upgrades and install new curriculum development workstations to support curriculum plans. Most replacement requests are addressed by cascade Dell GX520 computers. 9 new workstations were funded for newly hired faculty.

Contact: Steve Peterson
Budget: \$17,800 – 08-09 IBG
Status: Completed

Objective 4 Instructional Technology for the Smart Classroom & Smart Cart Equipment

The normal replacement of aging projectors, computers, and associated devices for classroom Audio/Visual equipment based on A/V technology replacement plan were addresses in the previous year. Main expenditure for 10-11 are consumables, e.g. projector bulbs . Also, included are AAPIA project for the prototype multi-media equipment for a classroom (digital learning studio).

Contact: Al DeSalles
Budget: \$17,500 IBG backfill for supplies
AAPIA to support cost and implementation of DLS
Status: Completed

Objective 5 Campus Wide Assistive Technology

There is miscellaneous software/equipment to be purchased throughout the year to ensure the compliance of technology accessibility requirements for disabilities.

Contact: Ellen Cutler
Budget: \$6,000, 08-09 IBG
Status: Completed

Objective 6 Department Instructional Technology Needs

Departmental specific software/equipment, include miscellaneous software/equipment, and other technology accessories, e.g. Software for Arts, CSIS and GIS.

Contact: Steve Peterson
Budget: \$6,600, 08-09 IBG
Status: Completed

Objective 7 Occupational Program Technology Projects funded via CTE

Technology projects funded as part of the occupational program CTE grant, include departmental required software and workstations. For detailed information, contact the CTE program coordinator.

Contact: Sandra Sanchez (instructional), Steve Peterson (technology)
Budget: See objective 1
Status: Pending

Objective 8 Campus-wide infrastructure equipment renewal – Windows Server 2008, Exchange 2010 server upgrade

Update College Windows server environment and phase out de-supported services. Windows 2008 server and domain upgrade completed. Exchange 2010 server upgrade is planned for summer 2011.

Contact: Dan Rojas
Budget: \$10,000 – IBG backfill
Status: Windows 2008 upgrades completed.
Exchange 2010 in progress

Objective 9 Campus-wide virtualization desktops implementation

Implement a cost-effective solution to increase the productivity of IT support staff by utilizing centralized and virtualization desktop technology. The plan will include a multi-year process to migrate the current individual workstations to a consolidated infrastructure and thin client technology.

VDI technology prototype was completed summer 2010. Certain areas can take full advantages of virtual desktop technology, such as English computerized classrooms, podium computers, library common area workstations, and Cayton computer lab. As virtual technology evolves and funding becomes available, there are future plans to expand the VDI technology implementation to support computing needs in a broader scope.

Contact: Dan Rojas/Joshi John
Budget: \$78,000 – 08-09 One-time block grant
Status: Prototype evaluation project completed.

Objective 10 Expand the functionality of WebISIS and Internet based self-services functionalities

Analyze, design, and develop further functions for student and faculty portal to expand the functionality and technological capabilities, include single sign-on, integrated WebISIS and self-serve system, and performance enhancement during peak time.

Contact: Lee Johnston

Budget: MIS development
Status: Pre-requisites enforcement for Life Science courses – Completed
SLO data collection project – Completed
Started the effort to consolidate technology services with SSO (Single-Sign-on) integration from Student Portal. – Completed
Regent Financial Aid System implementation phase II.- Completed
On-line attendance rosters – Hold
International Education System implementation – Completed
Event Scheduling/Facility Reservation system integration - Completed

Objective 11 Plan and evaluate technology feasibility to upgrade current SMC website to Sharepoint technology.

Network Services staff were trained on administering Sharepoint 2010. The Sharepoint is successful built on the existing virtual server environment. Content from the current CMS has been migrated to the Sharepoint environment. End user training and website go-live is scheduled for summer.

Contact: Bob Dammer
Budget: Server – Existing hardware from virtual server environment
MS Sharepoint/SQL servers - \$15,000
Content migration to SharePoint will be largely covered by existing contract with Sector Point.
Status: In Progress.

Objective 12 Work with the Facility team to implement Information Technology Data Center modernization, continued from 08-09

The capacity of Drescher Hall 306 data center has reached its physical limits. There are plans to build new facility with modernized, energy efficient site infrastructure and server infrastructure to maximize the space utilization.

Contact: Jocelyn Chong
Budget: Construction infrastructure funds.
Status: In progress.
Server virtualization project successfully minimized current demand for power and cooling usage in the interim when new facility is planned.
New facility is located on the South side of main campus, adjacent to the Library.
The new facility will create more integrated technology services, updated data center, and network/server infrastructure. The building plan is currently being developed.

Objective 14 Streamline IT support procedures and develop technology resource website and orientation information to facilitate the dissemination of IT policy, procedure, and updated information to users.

Enhance IT efficiency by developing effective web content to disseminate information.

Contact: Jocelyn Chong
Budget: Technology User Support development
Status: In progress.
Staff/faculty technology handbook online.
Student online support/help system (www.smc.edu/AskPico) on production.

Objective 15 MIS Server Upgrade/Replacement

Plan, evaluate, and implement the upgrade of WebISIS and self-service portals server/storage infrastructure to ensure best cost/performance, as well as replacing outdated servers that are costly to maintain.

Contact: Jocelyn Chong
Budget: Construction infrastructure fund
Status: Completed

Objective 16 Wireless implementation

Analyze and evaluate a road map to deploy wireless technology in logical locations campus-wide. SMC wireless deployment plan will be evaluated in parallel with campus facility plan as well as SMC mobile technology plan.

Contact: Bob Dammer
Budget: Construction Infrastructure fund
Status: In progress. Major progress has made to improve the availability and reliability on SMC Wireless LAN infrastructure. The WiFi coverage on SMC campuses has doubled this year. Detailed coverage map and student support instructions are current being developed. The information will be available via askpico to a new Sharepoint site.

Objective 17 Evaluate the feasibility of implement faculty Identity Management (IM) and integration of Google hosted email/apps system to enhance Cloud technology enabled learning environment.

Research and evaluate the possibility of migrating/integrating faculty with students' Google Apps environment to fully take advantage of the cloud technology. Google provides enhanced email and application functions, large mail boxes/storage to education institutions and their faculty, staff and students free of charge.

Contact: Jocelyn Chong
Budget: N/A
Status: Student IM and Google Apps are fully implemented for students. There are Approx. 130,000 student accounts already issued after go-live with Google-Apps for students. Google has increased our max. # of accounts to 260,000 for the student.smc.edu domain.
A group of faculty members are working with IT to pilot Google Apps usage in the classrooms to determine the feasibility to extend the service offerings.

Objective 18 Upgrade AS Computer Lab Printing Management Software

Test and implement a separate print management Papercut software service for the AS Cayton computer lab. The printing requirements in this lab differ from the campus print-for-pay system.

Contact: Joshi John
Budget: N/A – Existing hardware with virtualization implementation
Existing Papercut campus license (negotiated to cover multi-instances)
Status: Completed

