Technology Objectives 2005-2006

Objective 1  Student Workstation Replacement & Cascading

Plan, evaluate, and recommend student workstation replacement to keep student computer equipment up-to-date in 06-07.
Allocation for 05-06 IE is recommended as follows:

< Place actual proposal for 05-06 >

Contact:    Steve Peterson
Budget:   Pending
Status:              Pending

Objective 2  Campus Wide Software Needs

Track and renew maintenance agreements and annual licenses for software shared campus-wide during 06-07, including Microsoft, Adobe & Macromedia applications, antiviral software, and more.

Contact:    Steve Peterson
Budget:   Pending
Status:              Pending

Objective 3  Faculty Curriculum Development Workstation Replacement

Replace outdated full-time faculty workstations and shared-use computers in various adjunct faculty work areas that require upgrades to support curriculum plans.

Contact:    Steve Peterson
Budget:   Pending
Status:              Pending

Objective 4  Replacements for Smart Classroom & Smart Cart Equipment

Replace aging projectors, computers, and associated devices for classroom Audio/Visual equipment based on A/V technology replacement plan for 06-07.

Contact:   Al DeSalles
Budget:   Pending
projectors  $
workstations  $
Total  $

Status:              

Objective 5  Campus Wide Assistive Technology

Contact:   Ellen Cutler
Budget:   Pending
Status:              Pending
Objective 6  Department Instructional Technology Needs

Contact:  Steve Peterson
Budget:  Pending
Status:  Pending

Objective 7  Occupational Program Technology Projects funded via VTEA

Technology projects funded as part of the occupational program VTEA awards. For detailed information, contact the VTEA program coordinator.

Contact:  John Gonzalez
Budget:  $441,528
Status:  Funds tentatively allocated, implementation in progress.

Objective 8  Campus-wide infrastructure equipment renewal plan

Identify and resolve network switch and power protection expansion needs to enhance overall network services performance and reliability. The proposal for this year includes switch expansion for the AET site and UPS protection for the routing devices in various campus network closets, starting in the Business building.

Contact:  Bob Dammer
Budget:  $30,000 Proposed 50% from IE 04-05, pending for 50%
Status:  50% allocation recommendation submitted, pending for 50% funding source

Objective 9  Microsoft Windows servers 2003 replacement plan

Replace mission critical (over four years old) Windows server hardware and upgrade Windows server 2000 software to Windows Server 2003. These servers include SMS, domain controllers, Exchange, print servers, and Helpdesk Remedy server. The used servers can be cascaded to replace servers that are over seven years old, and for which replacement part options are limited.

Server Hardware
- SMS 2003
- Windows 2003 Server (domain upgrade) [2]
- Exchange 2003 e-mail server upgrade
- Replace BISHAMON site server [out-of-warranty]
- Airport campus site server (cascade from upgrades above)
- Print Server - BEETHOVEN server [out-of-warranty]
- Intranet - BUDDHA server [out-of-warranty]
- Remedy upgrade - HELPDESK1 server [out-of-warranty]

Contact:  Bob Dammer
Budget:  $80,000, 50% tentatively allocated by IBG 04-05 funds.
Status:  Recommendation submitted.

Objective 10  Evaluate and develop plan to implement campus-wide remote system management tools for Windows client workstations
Analyze, evaluate, and implement a cost-effective solution to increase the productivity of IT support staff by utilizing software to remotely install system security patches, distribute new software packages, inventory networked hardware/software, and manage desktop computers. This effort can potentially also facilitate the process to upgrade the operating system software for workstations campus-wide.

Contact: Bob Dammer  
Budget: $40,000, 50% tentatively allocated by IBG 04-05 funds.  
Status: Recommendation submitted.

**Objective 11** Expand the functionality of WebISIS and Internet based services, continued from 04-05.

Analyze, design, and develop further functions for student and faculty portal to expand the functionality and technological capabilities. Incorporate Early Alert System and Curriculum Approval Work Flow System into the production environment when possible.

Contact: Jocelyn Chong  
Budget: Pending  
Status: Pending on Title V scope of project

**Objective 12** Provide technology support to implement SMC website re-engineering project based on the SMC Website Workgroup and District’s final recommendation.

A website workgroup was formed based on 04-05 objectives and a recommendation document was completed and proposed to the Technology Planning Committee (TPC). The direction and implementation plan is pending on the review and final approval of the TPC and the District.

Contact: Jocelyn Chong  
Budget: Pending  
Status: Recommendation submitted.

**Objective 13** Work with the Facility team to plan Information Technology Data Center move.

The capacity of Drescher Hall 306 data center has reached its physical limits. The UPS was upgraded once and current power loads have again exceeded the 70% safety mark. The air conditioning unit is not sufficient to stem the heat generated by existing equipment and consistently requires supplementation by general building air conditioners. There is no cost effective solution for establishing a reliable fire protection system for that room. A proposal has been submitted by the Facilities to move the data center to the Drescher Hall first floor.

Contact: Jocelyn Chong  
Budget: Pending  
Status: Pending on Facility's building schedule.

**Objective 14** Streamline IT support procedures and implement tech-knowledge center website to leverage technology knowledge through self-serve internet functions, continued from 04-05.
Enhance IT efficiency by analyzing, defining, and implementing an IT support structure via web-based, self-serve support functions.

Contact: Jocelyn Chong
Budget: User support development
Status: In progress

Objective 15  Implementation of multi-tiered SpyWare/AdWare protection functions

Analyze, evaluate, and implement cost effective enterprise solutions for improving the productivity of District computer systems and the security of data by utilizing gateway server and multi-tiered technology to protect SMC computers from intrusive Internet pest software.

Contact: Bob Dammer
Budget: $50,000, 50% tentatively allocated by IBG 04-05 funds.
Status: Recommendation submitted.

Objective 16  Develop Information technology internal security policy and procedures

Analyze, define and implement the District information technology internal security procedures, including testing for compliance with federal data security law, network security policies, physical security measurements, computer use policy, password guidelines, and backup/recovery standards.

Contact: Jocelyn Chong
Budget: IT development
Status: In progress

Objective 17  Voice Over IP implementation – continued from 05-06

Perform post-production support and documentation of support procedures and a backup/recovery plan for the VOIP implementation at the Bundy (Airport West) campus. Also, evaluate the feasibility of implementing the technology in new facilities at the main campus.

Contact: Bob Dammer
Budget: Mainly Network Services development, pending on Facility on new building plan
Status: In progress

Objective 18  Wireless implementation – continued from 04-05

After successful implementation of wireless access in the south side of the Library Building, there are plans to extend the function to cover the entire Library area and other outdoor locations.

Contact: Bob Dammer
Budget: Pending
Status: Pending

Objective 19  Develop a read-only database to support Institutional Research and user data query needs

A read-only database will be defined and implemented to support research and establish an effective, accessible tool to meet researchers’ data query needs. The initial available data will include at least 5 years of all Cal. State Chancellor’s Office defined data elements and other necessary data identified internally by the SMC researcher(s).
Contact: Frank Wu
Budget: MIS development
Status: In progress.