

Meeting of the
 OKLAHOMA CITY COMMUNITY COLLEGE BOARD OF REGENTS
 January 14, 2008

AGENDA ITEM 9B:

Technology Update

Attached is the status report on the accomplishments of the Information and Instructional Technology Services (IITS) milestones of the Fiscal Year 2007 and Fiscal Year 2008 Institutional Plans.

Milestones	Measurements and Targets	Results
Wireless	Implement campus-wide wireless capability	Wireless capability has been expanded to include seamless roaming and support of security cameras.
College information system upgrade	Upgrade college information system (Datatel) to latest Release (R18)	Upgrade of Datatel to R18, web interface and financial reporting tool (FRX) has been completed.
Data warehouse	Begin implementation of data warehouse and comprehensive reporting tool.	SAS is the selected vendor for the data warehousing/business intelligence solution. Initial implementation of SAS has been completed. The first "deliverables" have been completed and became operational January 2, 2008.
Learning Management System	Select and implement a new learning management system	Angel is the selected vendor for the new learning management system for online courses. Angel has been fully implemented and integrated with our information systems. Faculty have begun using the system and all online courses will be using the new system beginning with the upcoming Summer Semester.
Online student information form	Design and implement a student information form for the OSRHE portal.	Online form has been designed and waiting for final approval by Student Services. Ninety-five percent of programming has been completed. Project is projected to be completed for Summer registration.

The completed IITS projects have improved the following college operations:

1. Improved Decision-Making Using Data
2. Security
3. Academic Affairs
4. Student Services
5. IITS Capacity

1. Improved Decision-Making Using Data

OCCC Data Warehouse and Business Intelligence solution provides:

- a. Foundation for improved decision-making and using data as information.
- b. Will improve accuracy, access and distribution of information
- c. Will provide more time for Institutional Research to analyze and interpret information.

Future Enhancements:

- a. Create additional student success reports.
- b. Create additional views for additional stakeholders (e.g., public, Board members, OSRHE, etc).

2. Security

A. Wireless Grid Infrastructure

Provides an economical and effective platform on which to build-out improved security for the College. Specifically, the college has installed 40 wireless cameras throughout the college with plans to install 20 more. Security services can monitor the cameras from the security office or receive video feeds to the new security vehicles. The system is capable of monitoring 4000 cameras; 64 cameras concurrently with all video stored for 14 days. Many of the cameras can be zoomed and panned for closer examination or tracking of activities.

Future Enhancements:

- a. Recording period is planned to be extended up to 30 days with additional SAN storage.
- b. Addition of cameras in new buildings and remote locations (e.g., Massey Center, Capitol Hill)

B. Voice over Internet Protocol (VoIP) system has been programmed to

- a. Send appropriate emergency message (e.g., fire, tornado, bomb threats, etc.)
- b. Broadcast voice messages through the speaker phone.
- c. Display appropriate emergency information (e.g., national weather service bulletins).

Future Enhancements:

- Addition of enhanced 911 capabilities (e.g., local monitoring of 911 calls).

3. Academic Affairs

The new Learning Management system (Angel) has additional functional capability that will improve the quality and delivery of online courses and supplemental instructional support for traditional classes. Significant functional enhancements include:

- a. Standardized templates provide a consistent look, feel and navigational of courses.
- b. Instructional material can be stored electronically in modules that can be utilized for multiple purposes (e.g., standardized content for multiple sections, utilized as individual study modules, etc.).
- c. Integrated with college information system (Datatel).

Future Enhancements:

- a. May include the addition of online assessment and testing services.
- b. Provide training to additional faculty.
- c. Continue to expand storage of curriculum material electronically for re-use.

4. Student Services

- A. New ID card system and card readers provide the following benefits:
 - a. Compliance with new state requirements.
 - b. Improved tracking and appointment scheduling (e.g., tracking of lab facilities accessed, appointment scheduling in advising and testing services, etc).
- B. Implemented advisory software solution called AdvisorTrac for Student Services
 - Improves advisory services for students.
- C. Upgraded document imaging and workflow solution
 - Restructured database design to improve efficiency and effectiveness of admissions and registration processes.

Future enhancements:

- a. Integration of ID card system with other college information systems.
- b. Upgrade document imaging solution to latest release.
- c. Implement improved technology supported processes in Financial Aid department.

5. Information and Instructional Technology Services Capacity

The new data center and technology infrastructure incorporates some of the latest technologies and capabilities (e.g., use of virtual technology and high availability, unified network based storage (20 Terabytes), fully integrated and automated backup/recovery solution.

These solutions provide the following benefits to the College

- a. Supports 24x7x365 operational capability with minimum downtime.
- b. Provisioning of new application solutions in hours instead of weeks or months.
- c. Provides savings of \$200,000 per year over traditional physical server replacements.
- d. Improved efficiency and effectiveness of staff and skills.
- e. Ensures that transacting business will consistently build and maintain the college's reputation and image as a leader and innovator in higher education.

Future enhancements:

- a. Continue integration of systems and applications that will further improve services to all college stakeholders.
- b. Implement new email system.
- c. Continue to provide additional training and certification of IT staff.