

Information Technology

2003-06 STRATEGIC PLAN

2004-05 ACCOMPLISHMENTS

MISSION:

Our mission is to provide the information technology and human services support for instruction, research, administration, clinical and ancillary programs with services and infrastructure that enable the University community to provide all members of that community with the tools and related services that enable them to perform their roles in the most efficient and effective manner possible.

VISION:

Our vision is to share our knowledge and services both on campus and beyond.

I. Information Technology Enterprise-Computing

MISSION: Enhance the levels and management of administrative computing resources supporting the University community (including hardware, software, data and technical support services).

VISION: Ensure that new systems are responsive to the evolving needs of the University and providing modern, web-based technology tools to enable data-driven decisions at all levels.

Goal I: *Reach for National Prominence*

Key Indicator E: Redesign business and clinical processes as part of the replacement of the financial, human resource, student, and health enterprise information systems.

Objective 5: The University will streamline its business and information technology services.

Goal IV: *Discover, Share and Apply New Knowledge*

Key Indicator B: Secure authorization for an additional state-of-the-art research facility in support of the growth plan for research facilities as defined in the University's Physical Development Campus plan.

Objective 2: The University will provide the facilities and equipment necessary to enhance research capacity.

Operational Goal: Streamline processes and enhance technology resources supporting the University community.

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
1. Complete replacement of core legacy mainframe systems: FRS, HRS, and SIS.	PC	The University will implement productivity improvements through implementation of web-based core applications, supply chain	The applications software was selected and contracts for software and implementation services were awarded SAP. The modules	1	5	E

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
		management, and customer relationship management best practices, while at the same time protecting the privacy of our constituents. Constituents will be encouraged to conduct business, whenever possible, with the University on-line.	being implemented in Phase I are, HRS, FRS, Campus Management, and Materials Management. Blueprinting work is underway to ensure that best practices are operational when the new SAP system is ready to 'go-live' in 2005-06.			
2. Ensure security of the IT infrastructure.	PC	Comply with state and federal security and privacy regulations (e.g. HIPAA, FERPA, etc.). Develop a strategy to provide encrypted e-mail, acquire funding, and implement the new software.	Extensive security training has been completed for technical systems administrators. The strategy for encrypted e-mail has been developed. Next step is to acquire funding in 2006-07.	I IV	5 2	E B
3. Improve the technical infrastructure that supports institutional administrative and enterprise data used for the instructional, research, and service missions of the University.	JT	Enhance the computing infrastructure by implementing a new SAN (storage area network) infrastructure to support fiber channel, iSCSI, and other new technologies. Upgrade the SAN disk structure to improve the performance in support of new initiatives. Upgrade the tape libraries and supporting drives to the latest technologies.	Installed the second SAN (storage area network) director to increase our capacity and provide redundancy. Increased the storage capacity for the high end and mid-range storage on the SAN. Upgraded the LTO tape library and moved it to MN-105 in the hospital to increase capacity and provide automation and a better site for off-site backups of our critical systems.	I	5	E
4. Ensure new systems are responsive to the information and workflow needs and requirements of the University community.	JT	Implement Integrated Resources Information Systems (IRIS) hardware architecture in a manner that allows for maximum flexibility to support a variable workload and provide a structure that is easily expanded to support changing demands.	All production IRIS hardware is installed and ready for the first go live of 10/1/05. This includes 3-16 way IBM power5 systems and 12 Intel machines (2 and 4 processor). The appropriate disk storage (12 TB.) is also installed.	I IV	5 2	E B
	KBH	Involve the University community in the planning for the implementation of IRIS project. Begin implementation of IRIS project in 2004. Complete chart of accounts design and implement general ledger by early 2005.	Campus participation was extensive during blueprinting phase completed 12/04. Financials, Materials Management (Purchasing), and Student Accounting go-live 10/01/05.			
5. Define, implement, and support the technical installation of the new enterprise administrative systems, including the acquisition of required hardware and software, data conversion, security, system interfaces, printing, reporting, and on-going operation and support for the new systems.	JT	Define and implement architecture for IRIS that allows for the security and integrity of the system. Enhance the data network to support the increasing needs of IRIS for data movement and responsiveness throughout the campus.	The network infrastructure is being upgraded in the datacenter to 10 mb. Two large switches are being installed to provide redundancy. These switches include firewall blades with a 5 Gb capacity to provide security for IRIS.	I	5	E
	KBH	Commit adequate technical resources to successfully replace the current administrative systems. Establish a staffing plan that fully supports the implementation of the IRIS project and continues to provide maintenance support for the legacy systems.	Technical resources are in place to support the IRIS project and to provide on-going maintenance support for the legacy systems.			
6. Establish and implement training for the project team in the new tools and technical environment for the new enterprise administrative systems.	KBH	Create a training plan to provide appropriate training for the technical project team to ensure on-going support for the IRIS project. Establish a training component for the IRIS	Technical training has been completed for BASIS team. Programming team, Enterprise Portal Team, and Business Warehouse team are finishing their training.	I	5	E

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
			<p>performance measures identified for the CMDM, and compared to the key performance indicators delivered with SAP Business Warehouse. This will identify areas where enhancements need to be made to BW to meet institutional needs.</p> <p>6. Developed SAP Data Conversion Plan, and SAP BW Implementation Plan. Developed methodology to prioritize 1000+ institutional reports requested for conversion or replacement in SAP R/3 or BW. Identified additional software required for our existing enterprise reporting and ETL software to interface with SAP, and requested funding for 05-06. Funding was approved.</p> <p>7. Staff attended many SAP R/3 and BW planning and training sessions.</p>			

II. Morgan County Regional Technology Center

MISSION: Improve outreach, public service, and economic development and enrichment of the lives of the people of the Commonwealth of Kentucky.

VISION: To promote human and economic development through the expansion of knowledge.

Goal VI: *Elevate the Quality of Life for Kentuckians*

Key Indicator F: Increase public service expenditures, particularly extramural grant-supported expenditures, in areas critical to improving the lives of Kentuckians

Objective 1: The University will engage its people and resources in a renewed commitment to outreach.

Objective 2: The University will lead in the delivery of specialty care in selected clinical areas

Objective 3: The University will accelerate industry-funded research and partnerships, technology transfer, and business development to advance Kentucky's economy.

Objective 4: The University will expand utilization of its cooperative extension network to improve the quality of life for all Kentuckians

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2003-04	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
1. Establish a business incubator in the MCRTC	PD	Seek regional post-secondary educational partnerships to establish and administer the incubator unit.	The business incubator has been established. The current occupants are supported by the MCRTC staff..	VI	3	F
2. Develop technology literacy initiatives directed	PD	Utilize regional county agriculture and home	The Center has delivered 40	VI	4	F

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
toward small/rural farmers seeking to diversify		extension agents and the MCRTC to deliver instructional programs.	refurbished computers and computer literacy training to area farm families. The programs were funded by the State Agriculture Policy Board and delivered in conjunction with Maysville Community and Technical College and the Kentucky Commodities Growers association			
3. Provide state-of-the-art facilities and equipment to regional K-12 and post-secondary education institutions to support curriculum enhancement and training opportunities	PD	Develop partnerships with Morehead State University, Maysville Community and Technical College, Hazard-Lees Community and Technical College and the Morgan County Area Technology Center.	<p>MSU and Maysville Community Technical College have utilized Center facilities and equipment to offer programs and courses. The Center is also supporting and assisting as a major partner with the University and KDE in the development of the on-line algebra prototype for the Commonwealth's assessment testing program for K-12.</p> <p>Provided professional development in technology-enhanced instruction to 25 math and science teachers from the Morgan County area as part of Technology Challenge Grant from the Department of Education</p> <p>Developed collaboration with the Kentucky Department of Education and Appalachian Math Science Partnerships to create human and technical infrastructure to support large and systematic academic regional professional development programs based at the center. As part of this purchased and began staff development to support 50-seat Central distance learning and conferencing system at the MGTC.</p>	VI	1	F
4. Collaborate with the Center for Rural Health to improve access to patient services or information	PD	Utilize the facilities and capabilities of the MCRTC to support rural health initiatives with regional providers	The Center has funding to initiate a rural health technology demonstration project with KY Homeplace in Morgan County in 2005-2006. The partnership will also involve local health care providers.	VI	2	F
5. Attract new businesses to the region using the MCRTC and the numerous vacant light	PD	Work with local and state leaders, and the ONE to attract high-technology businesses to the area	The Center has worked directly with the Morgan County Government	VI	3	F

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
industry buildings owned by various county economic development authorities		or light industry companies.	and the Gateway ADD in an effort to recruit two light industrial enterprises to the Morgan County industrial site. The decision on one enterprise is pending and the other elected in May, 2005, to remain in Lexington for the next two years.			

III. Information Technology Health Affairs

MISSION: The mission of Medical Center Information Systems (MCIS) is to enable and enhance UK Healthcare's clinical, educational and research missions through information technology and to provide support to departments, faculty and staff.

VISION: To be a leader in healthcare information technology and to provide quality services to UK Healthcare and its constituents.

Goal I: *Reach for National Prominence*

Key Indicator B: Increase health affairs clinical income by 10 percent.

Key Indicator C: Identify four clinical target programs and implement at least two new related business plans..

Key Indicator E: Redesign business and clinical processes as part of the replacement of the financial, human resource, student, and health enterprise information systems.

Objective 2: The University will enhance the excellence and sustainability of the clinical enterprise.

Objective 5: The University will streamline its business and information technology services.

Goal II: *Attract and Graduate Outstanding Students*

Objective 3: The University will engage students in rigorous educational programs and provide an environment conducive to success.

Goal IV: *Discover, Share and Apply New Knowledge*

Key Indicator B: Secure authorization for an additional state-of-the-art research facility in support of the growth plan for research facilities as defined in the University's Physical Development Campus Plan..

Objective 2: The University will provide the facilities and equipment necessary to enhance research capacity.

Goal VI: *Elevate the Quality of Life for Kentuckians*

Key Indicator B: Secure authorization and design a strategic clinical facility.

Objective 2: The University will lead in the delivery of specialty care in select clinical areas.

Operational Goal: Enhance the levels and management of computing resources supporting Health Affairs (including hardware, software, data, and technical support services).

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2003-04	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
1. Continue implementation of the Integrated Clinical Information System (ICIS) toward the goal of a fully electronic medical record.	ZD, SMG	Develop and initiate plan for change in Eclipsys strategy with emphasis on the application, hardware configuration, infrastructure requirements, resource requirements, training needs, and coordination/ collaboration with	Sunrise Clinical Manager has been implemented in all inpatient areas except Children's Hospital and Perioperative Services allowing physicians to perform order entry.	1	2	E

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
		stakeholders and other parties.	Complete uni-directional orders interface to inpatient Pharmacy system which improves staff productivity and patient safety.			
2. Appropriately support UK Health Care strategic plans and initiatives.	ZD, SMG	Participate in and contribute to institutional initiatives such as the Emergency Department "Operation Pull", the Gill Heart Institute, Patient Safety, and others.	<p>Implemented new mainframe computer with goal of improving processing time for Decision Support.</p> <p>Member of selection and implementation committees for the Perioperative Information Management System. Functionality from this system is a requirement for replacing aging materials management system and interfacing with SAP. Involved SAP team in selection process.</p> <p>Participated in selection of Transplant Clinic database and Radiology Information System replacement.</p> <p>Participated in UK HealthCare strategic planning.</p>	I	2	B, C
3. Identify actions and a plan that will support recommendations and funding for information systems needs such as support and infrastructure for units that were formerly part of the Medical Center.	ZD, SMG	Discuss issues and plan with the EVPHA, Provost, and Vice President for Information Technology & Human Services. Identify collaboration required for clinical systems that may impact these units. Identify MCIS role, if any, in supplying services and supplies.	Initial discussion with EVPHA regarding services provided to units within the former Medical Center organization. Assisted College of Dentistry with selection of a clinical information system and have begun discussions regarding ongoing support. Relationships with some units via Service Level Agreements still intact. Further discussion and planning required.	I	4, 5	E
4. Appropriately support process redesign necessary for ICIS and IRIS.	ZD, SMG	Commit adequate resources for ICIS and IRIS. Evaluate replacement alternatives for current OR and Materials Management systems. Continue to collaborate with various constituencies.	Member of UKHC IRIS task force. Continue to complete assignments and provide feedback as requested. Involved IRIS team in selection of Perioperative Information Management System.	I	5	E
5. Adequately support professional level students and faculty.	ZD, SMG	Promote a technologically advanced computing environment. Implement systems that enhance education, scholarship, research, and clinical practice.	<p>Medical Center Information Services continues to support Medical Center faculty and students with their desktop needs. This includes workstation planning and trouble shooting workstation and printing problems.</p> <p>Trained Medical Students on use of Sunrise Clinical Manager.</p> <p>Instrumental in establishing exchange accounts for Graduate Medical Education residents.</p>	II IV	3 2	B

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
6. Continue to evolve the clinical data repository.	ZD, SMG	Implementation of an electronic medical record and a lifetime repository.	ICIS Sunrise Clinical Manager implementation complete except for Children's Hospital and Perioperative Services. This is first phase of building an electronic medical record.	IV	2	B
7. Appropriately support the design of clinical facilities to ensure all data and communication needs are met.	ZD, SMG	Participate in planning of a new clinical facility.	Member of new facility planning committees.	VI	2	B

IV. Information Systems Support and Ancillary Services

MISSION: Provide the University community with quality customer service, support, and awareness of information technology. Direct support is offered for instruction, research, operations, distance learning, and community outreach, through the IT Customer Service Center.

VISION: To provide responsive IT support services for many different aspects of the operation of the University and to assist the University community in employing and expanding effective use of information technology in meeting the University strategic goals.

Goal I: *Reach for National Prominence*

Key Indicator E: Redesign business and clinical processes as part of the replacement of the financial, human resource, student, and health enterprise information systems.

Objective 4: The University will strengthen the link between funding decisions, plans and results.

Objective 5: The University will streamline its business and information technology services.

Operational Goal: Enhance the quality and awareness of Information Technology support services.

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2003-04	LINK TO GOAL #	LINK TO OBJ #	KEY INDICATORS
1. Strengthen relationships between support services departments and the University community.	KW	IT will provide efficient and effective support services to meet the day-to-day operating needs of the University community.	<ul style="list-style-type: none"> Clearly defined tier-1 and tier-2 support within the Customer Service Center (CSC) to enable calls of shorter duration to be satisfied at tier-1 and lengthier calls to be resolved by tier-2. Coordinated efforts between major support areas such as MCIS, Student Computing, etc. for prior approval before posting major software package updates on the download server. 	I	4, 5	E
2. Increase awareness and responsiveness of	KW	IT will develop and implement a comprehensive	<ul style="list-style-type: none"> Provided current system outage 	I	4, 5	E

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
the services that are available.		communication plan to the University community.	<p>information through call center voice messaging to improve communications and reduce customer wait times for assistance.</p> <ul style="list-style-type: none"> • CSC communicates major system outages to its after-hour answering center to help communicate outage information to the user community. • Provided on-call support as needed during the winter session when other University offices were closed. • Provided on-site assistance with the Registrar's Office to activate student email accounts during Merit Weekend and Student Orientations. 			
3. Continuously assess the evolving needs and priorities of the users of support services to improve services.	KW	IT will continually survey, seek feedback, and research new technologies and changing customer needs to enhance delivery of services provided to the University community.	<ul style="list-style-type: none"> • Provide tier-1 PDA and wireless support, including account access, provisioning setup and support for PDA devices such as the Blackberry, Treos, and other related devices. • Manage an antivirus server which delivers current protective software to student residence hall computers. • Provide current antivirus software to the University through the Download Server for all faculty, staff and students. • Maintain two fully functional emergency telephone operator workstations in PKS2 in the event of disaster or emergency evacuation of McVey Hall. 	I	4, 5	E

V. Instructional Computing and Student Computing Services

MISSION: Provide the strongest possible support for the integration of computing and communications technology throughout the instructional process.

VISION: Ensure that students graduate from the University having had the opportunity to make optimal use of technology in their learning and to explore its uses in their chosen fields of study.

Goal I: Reach for National Prominence

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
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Key Indicator E: Redesign business and clinical processes as part of the replacement of the financial, human resource, student, and health enterprise information systems.

Objective 5: The University will streamline its business and information technology services.

Goal II: Attract and Graduate Outstanding Students

Key Indicator C: Open a new undergraduate residence hall, designed as a 21st century living/learning community.

Key Indicator F: Increase the six-year graduation rate to 60 percent.

Objective 3: The University will engage students in rigorous educational programs and provide an environment conducive to success.

Operational Goal: Enhance the level of instructional technology services to the University community (including hardware, software, communications and support services.) Our focus is based upon three mutually interrelated components: 1) access to and support for student computing; 2) access to appropriate resources and support for faculty to develop and use instructional computing; and 3) technology equipped “smart” instructional spaces.

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2003-04	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
1. Provide powerful, readily available, and fully supported computing resources for student use in Student Computing Services, and in Academic Support Group facilities, labs and classrooms.	MD	IT contributes to the University’s educational mission by providing high quality, state-of-the-art student computing lab facilities. Establish, maintain, and support facilities that offer a flexible array of hardware and software in support of instructional computing.	<ul style="list-style-type: none"> Implemented 4-year replacement schedule on student lab machines each summer to keep technology refreshed. Chemistry Physics and Computer Science labs carpet and paint were refreshed and more machines added; Solved a Fire Exit issue in the King classroom and added video editing capability. 	I II	5 3	E C, F
2. Assist the academic sectors by providing consultation regarding the specification, installation, and support of technology-enhanced instructional space.	MD	IT will provide support to integrate computing throughout the instructional process. Follow changing trends in delivery and support of instructional technology.	<ul style="list-style-type: none"> Redesigned and structured information for students in the Registrar’s and Admissions websites with new flow chart of site’s structure, with new images of students and campus buildings and with reworked content in a modern programmable format. Redeployed 52 lab computers that were being replaced in the Fine Arts lab to faculty in the college of Fine Arts. We assisted with the installation of new hard drives and current operating system; also assisted with orienting faculty members with their new machines when placed in faculty offices. Provided ongoing consultation on software that might benefit the various departments that use the labs. Also, consulted regarding how faculty and 	I II	5 3	E C, F

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
			<p>their students can make use of departmental resources in conjunction with the labs (for example, the JAT server)</p> <ul style="list-style-type: none"> Provided additional Locker disk space for students in particularly disk intensive work at faculty requests. 			
3. Assist faculty members in the determination of instructional needs, appropriate pedagogy, and instructional design methodology, to incorporate computer-based instructional materials into their courses.	MD DF	In collaboration with the Teaching and Academic Support Center (TASC) and College Deans, IT will assist the University community in employing and expanding the effectiveness of information technology in meeting the University's strategic goals. Facilitate the integration of technology into the instructional process.	<ul style="list-style-type: none"> Began discussion with the Teaching Academic Support Center (TASC) and the Library staff on the concept of developing an Information Commons in the WT Young library to integrate the learning process with technology resources and academic support. Pilot will be developed in the first half of 2006. SCS has offered classroom space adjacent to TASC to assist in training whenever possible. 	I II	5 3	E C, F

VI. Research Support Services

MISSION: Provide the strongest possible support for the integration of computing and communications technology throughout the research process.

VISION: Information Technology services and equipment that enhance the prominence of our researchers.

Goal I: *Reach for National Prominence*

Key Indicator E: Redesign business and clinical processes as part of the replacement of the financial, human resource, student, and health enterprise information systems.

Objective 3: The University will increase its resources in order to offer high-quality instructional, research and service programs.

Goal IV: *Discover, Share and Apply New Knowledge*

Key Indicator B: Secure authorization for an additional state-of-the-art research facility in support of the growth plan for research facilities as defined in the University's Physical Development Campus Plan.

Objective 2: The University will provide the facilities and equipment necessary to enhance research capacity.

Operational Goal: Enhance the level of technology services to support the research priorities of the University (including hardware, software, communications and support services.)

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
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MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2003-04	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
1. Provide powerful, readily available, and fully supported research computing and networking resources for faculty, students and research staff	MD JT	Work with the research faculty and the Center for Computational Sciences to define the needs of research computing and procure the next generation of research supercomputing equipment. Increase systems administration staff to support the variety of computing resources required by a major research university. Provide for the training of the staff to stay current with new initiatives.	The research infrastructure has been upgraded by installing a new 256 processor HP cluster and upgrading the HP Superdome to 260 processors. This provides a total computing capacity of 3.3 tera flops utilizing 1 TB of memory and 12 TB of disk storage	I, IV	3 2	E B
2. Provide high level technical consulting for researchers in the use of computational resources	MD	Increase staff in the consulting function and provide for training and the ability of the staff to collaborate with others at appropriate conferences.	High level technical consulting is in place. However, no increase of staff has been funded in this area. However consultation has been provided with existing resources, for example: <ul style="list-style-type: none"> • Grant writing for a \$3.3 million cyberinfrastructure NSF proposal to develop a national/international computational chemistry grid (gridChem); UK was awarded funding for this proposal and is the lead institution on this project. UK is one of only two recipients of a large grant for cyberinfrastructure awarded by NSF. • Initiated preliminary discussions with National Atmospheric and Oceanographic Administration (NOAA) in Washington, DC relating to a collaborative project between UK and NOAA for development/testing of climate/weather models code on HP-XC cluster at UK. • Initiated work with Oak Ridge National Labs on a collaborative computational chemistry/condensed matter physics project between UK and DOE. • Assist in statewide research support for example, guided faculty researcher/chair of Biology Department at ECU in obtaining access to Tripos software through UK in collaboration with bioinformatics division. <p>STATISTICAL RESEARCH SUPPORT:</p> <ul style="list-style-type: none"> • Acquired and supported new statistical software (STATA, nQuery, MrInterview) to broaden and enhance quality of statistical researches. 	IV	2	B

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
			<ul style="list-style-type: none"> • Provided workshop (Data Mining) and short course (Structure Equation Modeling) to strengthen and enhance quality of statistical researches on campus. <p>In support of researchers to disseminate research results at technical conferences.</p>			
3. Maintain state-of-the-art research computing resources (hardware, software, and databases).	JT	Coordinate a budget for research computing support that encompasses software, training, in addition to hardware needs.	Budget remained constant. The Superdome upgrade was operational in January 2005. The new research cluster was operational in March 2005.	IV	2	B

VII. Communications & Network Systems

MISSION: Provide operational management for University telecommunications, and planning for convergence of traditionally separate technologies of voice, video, and data.

VISION: A fully integrated digital campus with innovative telecommunications technologies serving as the “life line” that unites the University community and that provides access to local, regional, national and international communities.

Goal IV: *Discover, Share and Apply New Knowledge*

Key Indicator B: Secure authorization for an additional state-of-the-art research facility in support of the growth plan for research facilities as defined in the University’s Physical Development Campus Plan.

Objective 2: The University will provide the facilities and equipment necessary to enhance research capacity.

Goal VI: *Elevate the Quality of Life for Kentuckians*

Key Indicator E Increase the number of start-up companies to two per year.

Objective 3: The University will accelerate industry-funded research and partnerships, technology transfer, and business development to advance Kentucky’s economy.

Operational Goal: Enhance the levels of communication services provided to the University community (including voice, data, and video distribution, and technical support.)

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2003-04	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
Provide integrated, efficient, and functional communications and networking resources (voice, data, and video) for the University community, to encourage and support information exchange both within and beyond the University community.	JT	Continue to enhance the capabilities of the campus network by increasing bandwidth of major segments. Also enhance the network core and allow for enhanced network segmentation.	The redundancy and network segmentation is nearing completion at the hospital. The equipment has been ordered to upgrade the network core on campus and the hospital to 10 mb (from 1 mb.). The equipment is also	IV	2	B

MEASURABLE OBJECTIVES	BY	STRATEGIES/INITIATIVES	ACCOMPLISHMENTS 2004-05	LINK TO GOAL#	LINK TO OBJ #	KEY INDICATORS
	JT	Enhance the robustness of the university's connection to the Internet (Internet 1 and Internet 2) and increase internet bandwidth as required to support the university's mission.	on order to increase the bandwidth to 10 mb. for the datacenters			
	DF	Complete bid and award the telecommunications services contract.	The communications services contract was awarded to Alltel.			
Ensure responsiveness to the communications needs and requirements of the University Community.	JT	Implement a network architecture that meets or exceeds 'best of breed' and allows for expansion where it is required to support the university community. This will include enhancing the network core, enhancing bandwidth, providing redundancy, and enhancing network segmentation.	The network architecture follows the standards as defined by our networking partner Cisco. This design provides for the ability to expand and segment the network and to provide for redundancy.	IV	2	B
Provide access to information resources, regardless of location, to support faculty, student, and staff requirements.	DM	Complete campus-wide installation of secure wireless networks for both inside and outside facilities to support required network services.	Installed over 100 wireless access points. A comprehensive installation effort continues for the remaining Hospital and University areas to achieve planned wireless coverage across campus.	IV	2	B
Support faculty, staff, and corporate partners in their research on networking technologies through the James F. Hardyman Alliance for Networking Excellence.	JT/DF	Continue to develop advanced networking with the Alliance for Networking Excellence and support the visualization efforts with the College of Engineering as well as academics and local business.	Successful partnerships with Computer Science, UKIT, and industry resulted in a 5 million dollar award from the State of Kentucky to develop a comprehensive visualization center. Project has also resulted in the creation of two new faculty-owned businesses.	VI	3	E
Design and implement the communications infrastructure to adhere to national and international standards for information sharing and networking and to support statewide higher education initiatives.	DM	Provide statewide connectivity through the Kentucky Postsecondary Education Network (KPEN) network as well as remote site connectivity using TLS technology.	All state universities have migrated to Kentucky Postsecondary Education Network (KPEN). Current installation of metro Ethernet underway with three sites being connected by 1 st quarter 2006.	IV	2	B