Annual Highlights Report: July 1, 2012 - June 30, 2013
University Information Technology Services (UITS): uits.iu.edu

During 2012-13 UITS continued to advance action items associated with the university's IT strategic plan for information technology (IT) *Empowering People,* a multi-year plan for achieving greater efficiencies in IT resources, while providing for greater productivity in the university's missions of education and research.

Teaching and Learning

- Agreements with technology providers CourseNetworking LLC and Instructure Inc. were announced in fall 2012 as part of Next@IU, a two-year trial assessment of new technologies to support teaching and learning. Blackboard Inc. and Desire2Learn Inc. were announced as additional pilots in spring 2012, with the full pilots of these learning management systems planned for 2013.
  http://ovpitnews.iu.edu/news/page/normal/22953.html
  http://ovpitnews.iu.edu/news/page/normal/23918.html
- IU introduced IU Online -- a major strategic investment in online education that will accelerate the development and delivery of quality online courses and programs at IUPUI and IU's campuses statewide. Working closely with faculty experts and academic administrators from all IU campuses, IU's Office of Online Education is partnering with University Information Technology Services, IU's Center for Regional Campus Excellence and the Office of the Executive Vice President for University Regional Affairs, Planning and Policy. The UITS Online Instructional Design and Development (OIDD) unit was formed in fall 2012 to support faculty in the creation of online courses. OIDD will coordinate their efforts with the IUPUI Center for Teaching and Learning and other campus centers for teaching and learning across IU.
  http://newsinfo.iu.edu/news/page/normal/23061.html
- Renovated testing facilities in the Engineering/Science & Technology building and in Business/SPEA 3000 will accommodate even more IUPUI students for computer-based exams, quizzes and other proctored activities at convenient times. When not reserved for testing, they are available for open computing by any IUPUI student. The IUPUI testing facilities are a partnership between the IUPUI Testing Center, School of Science, Office of the Registrar, and University Information Technology Services.
  http://ovpitnews.iu.edu/news/page/normal/23084.html
- UITS partnered with the Kelly School of Business to renovate four classrooms in the Business/SPEA building. These newly renovated classrooms facilitate student collaboration via six flat-panel monitors around the perimeter of the room and reconfigurable furniture. In addition to the standard instructor technology, all the rooms include dual projectors and a large confidence monitor in the back of the room. One room also contains video conferencing capabilities to enable instructors to bring in remote guests and students.
- UITS worked closely with Campus Administration, UAO and CFS to convert 15 conference rooms in the former IUPUI Conference Center to classrooms. These classrooms are now equipped with modern classroom technologies to support teaching and learning.

- In fall 2012, IUPUI opened four new classrooms in the former bookstore space of the Cavanagh Hall basement. UITS partnered with the School of Liberal Arts to design three new collaborative classrooms for the school's writing and social science programs. These new classrooms facilitate student-centered learning through a rich technology environment that includes a 70" touch screen monitor and collaborative software.
- IT Training extended the lynda.com service through 2016. The contract extension included a host of new features. Now, users can have Playlists that allow them to build collections of courses that can be watched and shared. In addition, users are able to bookmark videos, chapters, or courses –even spots in videos-- and return to them later. The course history shows a list of courses the user has taken, so it is easy to pick up at the last point. Users can now earn certificates of completion and share those certificates with professors, supervisors, or prospective employers.
- By spring semester 2013, nearly 10,000 students across IUPUI and all campuses were using digital textbooks (eTexts) as part of IU's eTexts initiative, saving them money. eTexts let students study with leading textbooks or faculty-edited course packs on just about any computer, tablet or smartphone. IUPUI faculty can now choose digital texts from Cengage Learning, Elsevier Science & Technology Books, Flat World Knowledge, Harvard Business School Publishing, IU Press, MacMillan, McGraw-Hill, Pearson, SAGE, Wiley, and W.W. Norton.
  http://ovpitnews.iu.edu/news/page/normal/23878.html
- The third annual Adobe Days on the IUPUI and IU Bloomington campuses showcased Adobe tools and resources that help students and instructors of all disciplines connect, discover, create and inspire. IUPUI hosted Adobe Days in the Campus Center atrium on Friday, February 15, 2013.
  http://ovpitnews.iu.edu/news/page/normal/23825.html
- 1000 new Wireless Access Points were installed and operational at IUPUI for the beginning of second semester. This is part of an upgraded wireless network system from Aruba Networks that offers greater stability and performance. It also positions the University to take advantage of future technology enhancements with a company experienced in providing wireless solutions in large campuses.

Research, Scholarship, and Creative Activity

- The new Office of Scholarly Publishing, a partnership between the Office of the Vice President for Information Technology and the dean of the IU Libraries, assumed operational responsibilities for several services utilized by IUPUI instructors and researchers: IU Press, the university's long-running academic publishing house, elements of the IU Libraries' digital publishing program, including IUScholarworks, and the eTexts@IU initiative.
  http://newsinfo.iu.edu/news/page/normal/22724.html
- IU, led by the Research Technologies Divisions of UITS and the Pervasive Technology Institute, play a critical role in NSF-funded national cyberinfrastructure delivery. IU plays a leadership role in XSEDE – the eXtreme Science and Engineering Discovery Environment, is responsible for 7 x 24 operations of the Open Science Grid, and leads the NSF-funded cyberinfrastructure testbed FutureGrid.
- The Pervasive Technology Institute continues to grow and mature – now with a total of five centers organized into Research Centers and Cyberinfrastructure & Service Centers.

- The IU-lead National Center for Genome Analysis Support, funded by the NSF, has grown nationally and locally, with formal collaborations at IU with the Center for Genomics and Bioinformatics, and nationally with the Pittsburgh Supercomputing Center, San Diego Supercomputing Center, and Texas Advanced Computing Center. NCGAS supports US researchers at the cutting edge of genome science.
- IUPUI IT personnel contributed to the success of the Higgs boson search. Data produced by the Large Hadron Collider are analyzed on an international computing grid called the Open Science Grid. IUPUI staff help run the operations center for the Open Science Grid that is responsible for ensuring that this grid is at work processing data 24 hours a day, 365 days a year.
http://newsinfo.iu.edu/news/page/normal/22806.html
- Data that have been used for many years to set adolescent calcium intake recommendations in the US and abroad are publicly open to research scientists across the globe for the first time through a collaborative project between Indiana University and Purdue University supported by the Indiana Clinical and Translational Sciences Institute.
http://communications.medicine.iu.edu/newsroom/stories/2012/iu-purdue-partner-to-share-influential-nutritional-data-from-inn/
- IU is one of six partners to develop a National Science Foundation Science Gateway Institute. The university's Science Gateways Group (part of the Indiana University Pervasive Technology Institute) supports a variety of gateway initiatives, including the NSF-funded Open Grid Computing Environments (OGCE). This project develops, packages and releases software for building science gateways.
http://ovpitnews.iu.edu/news/page/normal/23067.html
- IU's Center for Applied Cybersecurity Research and four other organizations established the Center for Trustworthy Scientific Cyberinfrastructure through a $4.3 million National Science Foundation award.
http://newsinfo.iu.edu/news/page/normal/23252.html
- University Information Technology Services replaced its Data Capacitor with Data Capacitor II, a high-speed, high-capacity storage facility for very large data sets. With five petabytes of storage, Data Capacitor II benefits IUPUI researchers by supporting big data applications used in computational research.
http://ovpitnews.iu.edu/news/page/normal/23436.html
- IU unveiled Big Red II, a powerful new supercomputer with a processing speed of one thousand trillion floating-point operations per second (one petaFLOPS) and available to IUPUI researchers.
http://ovpitnews.iu.edu/news/page/normal/24183.html
- IU's Center for Research in Extreme Scale Technologies (CREST) will develop software that improves the speed and programmability of supercomputers, thanks to a $1.1 million grant from the Department of Energy.
http://ovpitnews.iu.edu/news/page/normal/23854.html
- The HathiTrust Research Center made available to researchers data mining and analytics tools for the HathiTrust Digital Library, a collection of digital texts from over 70 research libraries around the world. IU is a founding partner of the HTRC.
http://ovpitnews.iu.edu/news/page/normal/24146.html

Civic Engagement

- Beginning fall semester 2012, anyone visiting the IUPUI campus can now access no-fee Wi-Fi using the "attwifi" network. AT&T data customers will get the same automatic access, while everyone else simply needs to agree to an acceptable-use policy.
- IU marked Data Privacy Month with webinars and presentations at IUPUI. IU partnered with EDUCAUSE to extend activities throughout the month of January to promote data privacy and hosted two presentations at the IUPUI Campus Center on January 28, 2013.
  http://newsinfo.iu.edu/news/page/normal/23696.html
- IU networking experts launched NetTalk lecture series on the IUPUI campus. IU shared its expertise in advanced networking with the launch of the new lecture series for state business and industry leaders.
  http://ovpitnews.iu.edu/news/page/normal/24088.html

Diversity

- Women in IT, a newly formed University Information Technology Services group, began meeting monthly to provide support for IUPUI women working in IT careers by offering networking opportunities, a forum to raise issues and concerns, and professional development.
- Again this year, University Information Technology Services selected student interns to work on exciting, strategic information technology projects at IUPUI and all eight campuses. Students from populations traditionally underrepresented in the IT field were encouraged to apply. Bepko internships provide an opportunity to involve students as University Information Technology Services implements the many action items of the IU IT Strategic Plan, Empowering People.
  http://www.indiana.edu/~uitshr/services/jobs/intern.html

Best Practices

- To give users faster and more relevant search results on the Bloomington and IUPUI campus websites, University Information Technology Services implemented Google Custom Search, a free service that has been adopted by several higher education institutions.
  http://inside.iu.edu/headlines/8-15-12-head-google-custom-search.shtml
- A new version of Kuali Rice brought additional features and improvements to a software system that touches vital university functions every day. Also known within IU as the OneStart Workflow service, Kuali Rice is used by a range of IU offices and applications, including Travel, Timekeeping, the Electronic Procurement and Invoicing Center (EPIC), Human Resources Management Systems (HRMS) eDocs, OneStart, IU Mobile and IU Calendar.
  http://ovpitnews.iu.edu/news/page/normal/23018.html
- Beginning in October 2012, IUPUI-based staff in the client services and support division began providing 24/7 IT help desk and support services via telephone and email for faculty, staff and students on all Ivy Tech campuses.
  http://ovpitnews.iu.edu/news/page/normal/23015.html
- IU launched all components of the Kuali Financial System (KFS) in February 2013, replacing its Financial Information System (FIS) and Electronic Procurement and Invoicing Center (EPIC) interfaces. IU began behind-the-scenes KFS implementation in 2009. IU has saved nearly $20 million by joining with other universities to reduce administrative costs for essential financial

software systems.
http://ovpitnews.iu.edu/news/page/normal/24137.html

External Awards and Appointments

- IUPUI and other IU networking experts were recognized by Internet2 for their efforts to enhance broadband connectivity and support advanced services and cloud applications across the United States. Their efforts will help provide advanced networking features for more than 200,000 of the country's community anchor institutions, including libraries, hospitals, K-12 schools, community colleges and public safety organizations.
  http://ovpitnews.iu.edu/news/page/normal/23437.html
- IU was recognized as a 2013 Computerworld Honors Laureate for its pioneering eTexts initiative and wireless network upgrade to ensure reliable and secure access to digital materials.
  http://ovpitnews.iu.edu/news/page/normal/24238.html
- The Courseload-IU eTexts and digital course materials initiative received the Learning Impact Award for its use of technology in addressing the challenges faced by the global learning community.
  http://ovpitnews.iu.edu/news/page/normal/24287.html
- IUPUI and other IU IT communications staff earned awards from the Society for Technical Communication as part of its 2012 Technical Communications Competition. STC is a worldwide professional association whose mission is to advance the arts and sciences of technical communication.
  http://ovpitnews.iu.edu/news/page/normal/23748.html
- IU received several awards for IUanyWARE, which delivers hosted Windows applications directly to IUPUI users' online desktops, laptops, or mobile clients: 2012 Campus Technology Innovator Award (http://newsinfo.iu.edu/news/page/normal/22821.html); ACUTA Institutional Excellence Award (http://ovpitnews.iu.edu/news/page/normal/24123.html); TechPoint Mira Technology in Education Excellence & Innovation Award, honoring outstanding technology performers and contributors who benefit the state's economy (http://ovpitnews.iu.edu/news/page/normal/24144.html).