The Education and Arts Building has been transformed into an impressive academic facility, and over the summer, UITS will be busy installing updated technology in the labs and classrooms. The goal is to enhance teaching and learning as much as possible and to create a model for future technology upgrades.

Classrooms will feature a brighter projector, and the all-digital technology lectern will include an HDMI port for connecting newer laptops and mobile devices. Despite the updated technology, the lectern's control panel will feature the same easy-to-use buttons that are found in other IU South Bend classrooms.

The Student Technology Center (STC) will offer a variety of seating options; café height seating, collaborative stations with a shared monitor, and “BYOD” (bring your own device) seating for those who just need a comfortable corner and a place to recharge a mobile device.

In addition to standard classroom technology, teaching labs in the School of Education will also feature an interactive white board. The Dental classroom will include a demonstration chair with a video camera that projects a close-up of the patient onto the screen, and will allow faculty to create narrated tutorials. The technology in the rehearsal hall will allow choirs and ensembles to project sheet music onto a 12-foot wide screen and will make it possible to create sound recordings of rehearsals.

The Next Generation Classroom is an innovative learning environment consisting of four 6-seat collaborative tables and a videoconferencing system. At the tables, students may use the built-in computer or connect their own device and choose whether to display their work only on the wall-mounted TV at the end of their table or on all TV’s in the room. Collaborative work may also be shared with classrooms on other campuses using the Polycom EagleEye Director, a two-camera videoconferencing system that automatically cuts to a close-up of the person presenting through voice-triangulation and facial recognition. Using this technology, a course may originate from one campus and be received in one or more of the other EagleEye rooms already in existence on other IU campuses. As a result, it will be possible to offer low-enrollment or infrequently offered courses that students need in order to graduate on time. All activities in the Next Generation Classroom may be recorded and viewed online, so that class time may be spent on a deeper level of learning. Faculty who are interested in teaching in the Next Generation Classroom will find additional details at https://uits.iusb.edu/edu-arts/.

The technology in the Education and Arts Building was designed to promote active engagement by all participants and marks a major milestone in realizing campus goals for the technology of teaching and learning.
Research Technology Workshop

The Research Technology Workshop, held on April 12, 2013, at IU South Bend’s Wiekamp Hall, was well attended by faculty members from disciplines as diverse as economics to sociology.

The featured speakers were Anurang Shankar and Kurt Seiffert, from IU Bloomington’s Research Technologies division of the University Information Technology Services (UITS). Their overall objective was to inform faculty of the many tools available to them in the pursuit of their academic research goals.

Shankar encouraged attendees to “think big” when it comes to conceptualizing and designing their research projects since support is readily available. Shankar also stated that resources weren’t limited to just science based projects.

IU Bloomington’s Professor Margaret Dolinsky, who holds dual appointments at the Henry Radford Hope School of Fine Arts and as a research scientist at the IU Advanced Visualization Lab (AVL), was successful in obtaining grant funding for an art-based project involving music and video. According to Shankar, artists and scientists alike can benefit from the many services they offer. Eric Souther, Assistant Professor of New Media, at IU South Bend, stated: “Wow. It was very exciting to learn of Indiana University’s vast technological resources.”

The other presenter, Seiffert, discussed the various forms and role of data storage in terms of structured data storage, shared document storage, and archival storage. Seiffert went on to describe the differences among the High Performance Storage System (HPSS—which allows users to read and write data locally, while providing massive data storage) and the Research File System (RFS—designed to give researchers access to their files from more than one location and to allow file sharing). Dr. Gi Hoon Hong, Assistant Professor of Economics at IU South Bend, remarked “The presentation was quite informative as I became aware that those advanced computing resources are available to any IU faculty regardless of their locations.”

In closing, both Shankar and Seiffert illustrated how the Research Technology division is extremely capable and fully dedicated, to supporting faculty and graduate students’ research and creative endeavors.

My favorites ... Top 5 (Apple iOS) Apps from Staffer Kathleen Weidner

**Waze**
Waze is a free community-based app that will help you navigate through traffic and find the cheapest gas around. The Waze community shares information and works together to chart the fastest routes, find the cheapest gas and alerts you to issues that may affect your driving plans all in real-time. The Waze community has map editors who are always working to improve and update the maps. [http://www.waze.com/](http://www.waze.com/)

**Camera+**
Camera+ is full of professional camera features to use with your iPhone and iPad. With basic and advanced editing tools at your fingertips you can turn your not so great photos into photos that you will want to share with all of your friends. Some of the features include the ability to set the exposure, access to different scene modes, and cool lighting filters. This app costs 99 cents. Well worth it.

**TuneIn Radio**
Want to hear your favorite tunes, something you may have never heard before, the latest sports scores or just the news, then TuneIn Radio may be just what you are looking for. With access to over 70,000 live radio programs and over 2 million on-demand programs which includes concerts, podcasts and more, TuneIn Radio offers it all. This app is free. If you want to record what you listen to, then upgrade to TuneIn Radio Pro for a small fee.

**imo messenger**
Video/voice chat, send a message or share a file for free with your friends on Facebook, Jabber, Google Talk, or other IM services easily with imo messenger. It’s simple to use, just add all of your accounts and now you have access to all of them with a single interface. imo also saves your chat history and is fully searchable. This app is free and would be great for all of you social butterflies.

**Pulse**
This free newsreader app is great for anyone who wants to have all of their favorite newspapers, magazines, blogs, etc. all fully accessible and easily shared with a flick of the finger. You can personalize your page with all of your news sources/services and share them on social networks. Pulse was recently purchased by LinkedIn and now offers sharing to Evernote. I’m a news hound so this is awesome for me!
Meet the staff …
Kyle Paulk, Senior Classroom Technology Consultant

I service and maintain all Classroom Technology, including Computers, AV systems, Control Systems, used in the South Bend and Elkhart IU Campuses. I also assist users directly in classrooms, meeting and event spaces.

What do you like about working in IT at IU South Bend?
The IU South Bend Campus is the one of the best places to work in South Bend. Having a position where every day and every year is different, is important to me. Since my childhood, I have always been tinkering with electronics and interfacing. Its only logical that I would end up doing this type of work.

What brought you to IU South Bend?
Initially I started working on the stage for the School of the Arts in 1997.

What do you like to do in your free time (hobbies, interests)?
My hobbies and interests are music related. I perform weekly in a local band. I also collect, record, produce, mix and engineer music of all types. I attend many live performances. But, most importantly I am a dedicated father. I spend a great deal of time supporting my daughter. Madison is a softball pitcher and plays in all the bands at Mishawaka High School.

Can you tell us something about yourself that might surprise others?
I play lead guitar in the local funk band “Soul Funkshun”.

Educational Technology Fair

Did you know a Littmann Electronic Stethoscope, in addition to reducing unwanted background noise by 85%, has both audio recording and Bluetooth capabilities? Do you know which screen capture software allows you to create video tutorials and presentations? Do you know which app allows you to take attendance and grade papers? These questions were examples of the types of questions that were asked and answered during the Fourth Annual Teaching with Technology Fair.

Held at IU South Bend’s Northside Hall on April 19th, this event was sponsored by the Center for Distance Education (CDE) and the University Center for Excellence in Teaching (UCET), in collaboration with Instructional Media Services (IMS). In one room, past grant recipients gave presentations to demonstrate how their tech device streamlined their teaching tasks. In the next room instructors were able to test-drive the latest tech devices. IMS personnel were on hand to further demo and answer equipment-related questions.

Which type of tech tool, mobile device, or software package would you be interested in acquiring for the purpose of enhancing the overall learning and teaching experience? Whether instruction takes place on-campus or within an online class environment, the SEED Grant seeks to facilitate optimal learning and to enhance courses where technology integration is key.

Annually, the CDE provides the funding for the SEED Grant. A review committee determines who will receive funding. This committee is composed of faculty and staff from the following departments: Center for Distance Education, Instructional Media Service, and the University Center for Excellence in Teaching.

Videos of the event are available at: https://www.iusb.edu/distance-learning/instr-strat-videos.php.

Visit the IT Facebook page at
IU South Bend: Information Technologies
How do you use information technology in your work?
I am committed to being as paperless as possible, so I enjoy trying to make the most of Oncourse for assignments, syllabi, discussions, sharing resources, messages and announcements, and grading. The students are very tech savvy and they seem to appreciate using the tools they already have available to them to streamline and centralize their work. I have been learning about other course software management systems, and they offer a lot of opportunities for running a paperless class that is informative, interactive, and streamlined.

Tell us about a positive experience you have recently had with UITS (IT).
Almost all of my experiences with UITS have been overwhelmingly positive. The staff are friendly and knowledgeable, and usually provide ideas and assistance quickly and professionally. Andy Walton is my hero, although I fear I try his patience! I recently asked for an Adobe upgrade so I could do some video editing on my PC, and we interacted via email and he remotely installed it at a time that worked for both of us. I will miss his support when he crosses the river to be a brewmaster, but I’ll know where to find him if I have a question - or if I am thirsty!

PC or MAC?
PC always at home and work for desktop functions that require connecting to our servers for documents, pictures, etc. Otherwise I am on my iPad for basic tasks or grading, reading, researching, and posting on social media sites while I am on the go.

What technology can you not live without and why?
Never thought I would say this, but I LOVE my iPad! I use it for research, reading, class prep and presentations, for connecting quickly to email and social media for work. It has changed the way I travel, work, plan, play, and teach.

How will your relationship with technology change in the next 5 years?
Five years ago I did not imagine I would be using so many kinds of social media so often, preparing and utilizing video for “edutainment” and instruction for my job, and accessing such a broad network of information and personal and professional connections. I know I am not the only one using more technology and more smart devices than I could have imagined a few years ago. What I hope is that I will have a more peaceful relationship with technology in 5 years. I hope to see new developments that are designed with reuse, repurposing, and longer lifespans in mind during their design and production. I want an iPad that can be easily taken apart and recycled or reused, with no waste. I think this will become necessary as materials become more scarce and as people start valuing our natural resources more. I mean, I love my iPad, but it kind of hurts to think of all the materials and energy that went into its production and transportation, and I don’t know what I will do with it when its functional life is over. I didn’t think I needed it before I had it, but now, much like cell phones have evolved over time, it has become a major feature of how I operate. I desperately want to have technology with closed loop design so I can enjoy the brilliant technology that is created without the worry about the toll on our natural resources and the amount of energy used to make it.