ANNUAL REPORT
INFORMATION TECHNOLOGY
PRIORITIES COMMITTEE (ITPC)

2021 / 2022

UNIVERSITY OF ILLINOIS SYSTEM

The University of Illinois System is among the preeminent public university systems in the nation and strives constantly to sustain and enhance its quality in teaching, research, public service, healthcare, and economic development.

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The Information Technology Priorities Committee (ITPC) provides the processes that allow IT consumers to solicit, review and prioritize the work of administrative information technology resources. This annual report takes a look at ITPC in FY22 and looks ahead to FY23.

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ABOUT US

ITPC defines the processes, components, structures, and participants for making decisions regarding the use of IT.

It collects ideas, reviews, selects administrative information technology projects, and prioritizes resources in the most strategic manner possible. It promotes transparency, strategic alignment of the university and IT, resource allocation, performance management, collaboration, standards, and policy, and it encourages constituents to participate actively in the process.

ITPC covers administrative IT projects that:
- involve resources from a University System Office unit
- involve campus-based units that plan to offer an administrative system for the entire campus
- interface with an enterprise system, or
- seek funding from the central pool of administrative information technology dollars allocated by the Academic Affairs Planning Council.

Within the ITPC process are six committees formed to review, approve, and prioritize projects. Those bodies are the ITPC (central committee), ITPC Cross-functional group, and four functional subcommittees: Finance, Human Resources, Student, and Business Intelligence/Performance Management which feed proposals and prioritization information to the central committee.

MEMBERS

- **Chair: Kelly Block**, Associate Vice President for Administrative Information Technology Services, System Offices

- **Sarah Bjelland**, Associate Director of Alumni Services

- **Kevin Browne**, Vice Provost for Academic and Enrollment Services, UIC

- **Kristin Cordova**, Director of Advancement Technology Programs and Governance, University of Illinois Foundation

- **Anne Craig**, Senior Director, Consortium of Academic and Research Libraries in Illinois, System Offices

- **Kathleen Engstrom**, Associate Dean for Administration in the College of Urban Planning and Public Affairs (CUPPA), UIC

- **Scott Genung**, Deputy Chief Information Officer of IT Operations, UIUC

- **Jisu Hong**, Associate Vice President for Economic Development and Innovation, System Offices

- **Kristi Kuntz,** Executive Associate Provost for Academic Programs and Policies, UIUC

- **Jan Novakofski**, Executive Associate Vice Chancellor for Research for Compliance and Professor, Animal Sciences, UIUC

- **Jami Painter**, Associate Vice President & Chief Human Resources Officer, System Offices

- **Brent Rasmus**, Senior Assistant Vice President, Controller, System Offices

- **Matt Riley**, Chief Information Officer, UIC

- **Sandy Street**, Assistant Vice President of Planning and Budgeting, System Offices

- **Jeff Sudduth**, IT Technical Associate Instructional Support and Training, UIS

- **Dimuthu Tilakaratne,** Assistant Vice President of Decision Support, System Offices

- **Sarah Zehr**, Assistant Vice President of Academic Initiatives and Policies, System Offices

- **Ilir Zenku**, Assistant Vice Chancellor of Health System Information Technology, UIC

ITPC HIGHLIGHTS

▶ Banner Upgrades

Annual updates help keep support costs down and improve functionality for users. Each year we do a fall and spring Banner maintenance to stay current with available features and updates. Starting this summer, we began analysis on Banner 9 self-service with the goal of implementation Fall 2023. While we do currently have some Banner 9 self-service modules deployed in production, use is somewhat limited, and the majority of our self-service offerings are still on version 8. This analysis will include configuration, analysis of functionality, as well as functional, performance, and accessibility testing.

ITPC HIGHLIGHTS

▶ ITPC-0592/0623 Implement Applicant Tracking & Job Description System

Cornerstone OnDemand went live July 11th and JDXpert went live on June 13th. The JDXpert project implemented a central repository of job descriptions across the University System to meet civil service requirements and enhance HR capabilities across all of the universities. The applicant tracking system, Cornerstone, will help drive engagement with new hires and identify the right candidate for the job, while also providing a more user-friendly interface for HR professionals.

EXPECTED BENEFITS: Improve the candidate experience and strengthen our brand to increase application rates and improve efficiency of staff involved in search process.
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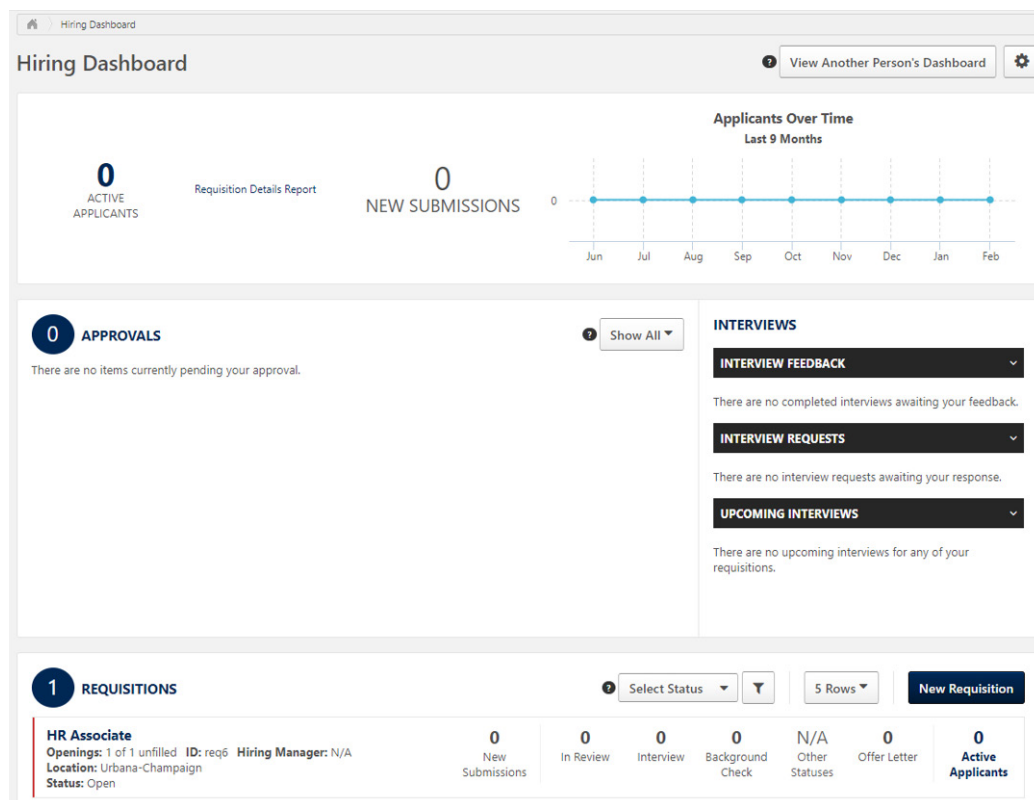
ITPC HIGHLIGHTS

▶ Source-to-Pay (S2P) Program
### Analyze. Improve. Streamline.

Source-to-Pay (S2P) is an overarching program with multiple, focused projects that address the universities' concerns with aging procurement systems, complicated processes, and lengthy cycle times for payments and reimbursements across the entire procurement spectrum. The need for transparency and collaboration across these improvement projects is maintained through structured program management over all of the strategically aligned projects.
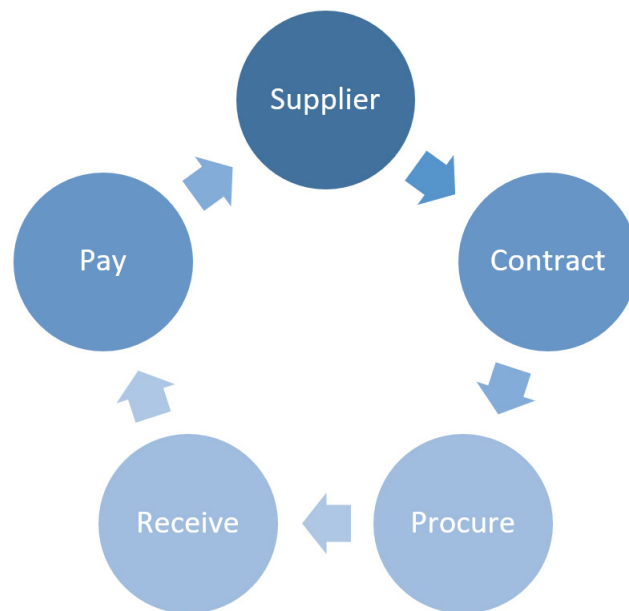
▶ ITPC-0593-A S2P iBuy Optimization

FY22 was an impactful year for iBuy. Contracts+ was deployed to replace the Illinois Contract System (iCS). AP Express was upgraded to AP Director to add electronic invoicing, and several necessary system integrations were completed to start improvements for data and reporting.
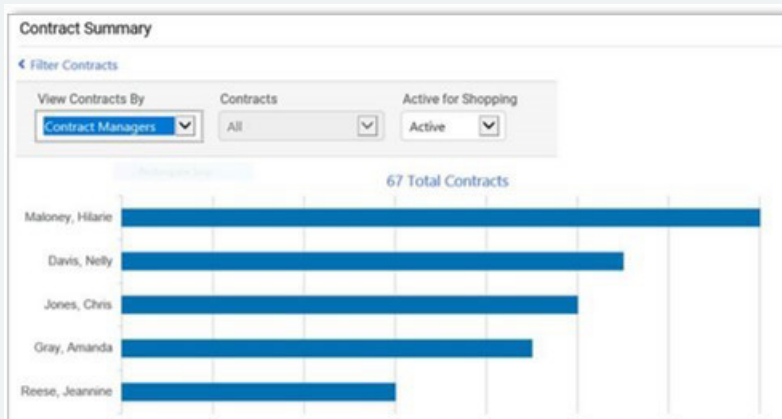
ITPC HIGHLIGHTS

▶ ITPC-0593-B S2P Travel Reimbursement Project

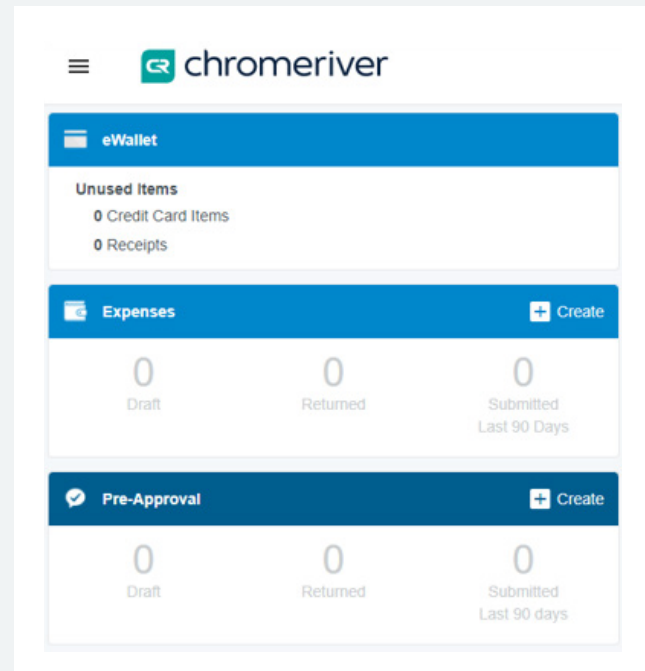Chrome River was deployed February 2022 to replace the University of Illinois System's existing travel and expense management (TEM) system and offers a much-improved user experience.

▶ ITPC-0631 S2P Upside Replacement Project

The transition of Capital Programs from Upside to Contracts+ was completed in July 2022. The second phase of this project will start in the Fall and will focus on establishing a testing environment as well as improving the functionality related to editing contracts using the Word app. The third phase of this project will start in January 2023, when a bolt on system will be developed to automate manual processes in the Contract+ input worksheet that is used to develop Capital contract documents.

▶ ITPC-0593-C S2P Total Contract Manager Project

The migration of iCS Legacy contracts and associated data, as well as the development of a feeder system from Kuali Coeus to Contracts+ will be completed in early 2023. Remaining efforts for additional reporting needs outside of state filing requirements will need to be analyzed, designed, developed, and implemented as part of this project.

ITPC HIGHLIGHTS

▶ ITPC-0621 Data Warehouse and Bi Architecture Replacement Analysis

This project was established to create the roadmap to define the next generation of data analytics tools to be made available for use at the University of Illinois System. Next generation data analytics technologies allow for improved sourcing of disparate data, better sharing and collaboration on data efforts, enhanced visualization capabilities and predictive or prescriptive insights that can boost informed decision making.

The solutions investigated include:
- Data Virtualization
- Data Storage (Data Lakes and Data Warehouses)
- Data Migration (ETL or ELT)
- Data Visualization and Reporting (Standard and Ad Hoc reporting)
- Advanced Analytics and Data Science Platforms
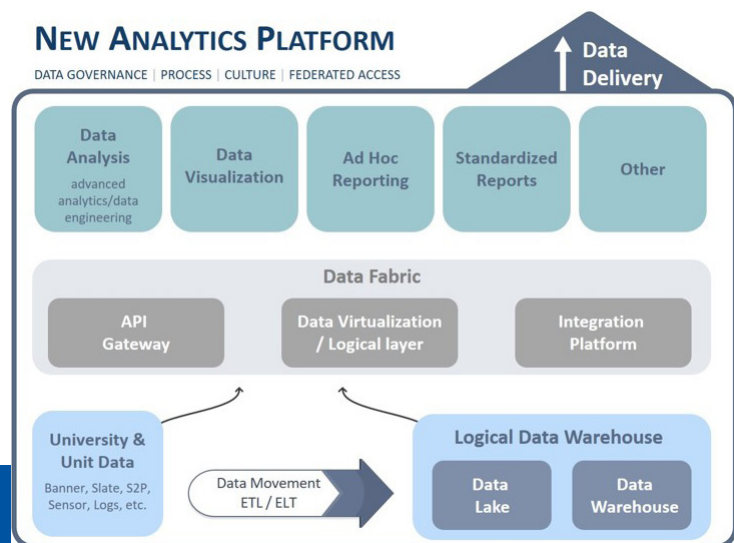
DATA VIRTUALIZATION: Creates a single representation of data from multiple, disparate sources without having to copy or move the data. By using data virtualization data analysts can reduce the time to delivery for data sets because they can eliminate costly and timely steps to move and transform data.

DATA LAKES: Offer a place for units at the university to store raw or curated data to be used for reporting or analytics. Data in the lake can be used on its own or integrated with other data sets. Data stored in a lake can be shared with university or external partners who are authorized and have been granted access.

DATA MIGRATION: At the University of Illinois these tools are used to extract data from multiple sources, transform that data by applying business logic, and load the data into one integrated Enterprise Data Warehouse (EDW). Modern data movement tools can connect to data on premise or in the cloud. As the university continues to adopt more solutions in the cloud a data movement tool that can connect to cloud sources is critical.

MANDATORY WORK

A number of ITPC projects are completed each year to maintain enterprise services at the most current versions. Annual updates reduce support costs and provide the latest functionality to users. In addition, regular, smaller updates minimize the disruption and the costs associated with less frequent, consolidated updates. Maintenance, upgrades, and work required by new or changing regulations and laws are unavoidable and therefore considered mandatory by ITPC.

▶ FY22 Mandatory Projects

- Upgrade Mobius/Mobius View Software (Complete)
- Maintenance upgrade to: Xtender 20.4 and BDM 8.7.4.3 (Complete)
- Financial aid regulatory changes (Annual)
- HRFE/PARIS maintenance and enhancements (Annual)
- IAM password manager and 2FA maintenance (Annual)
- iBuy system maintenance for strategic sourcing (Annual)
- iCS contract processing system maintenance (Annual)
- Maintain & upgrade Banner mission critical system (Spring and Fall)
- Nelnet student services maintenance (Annual)

- START myResearch maintenance (Annual)
- TEM reimbursement system maintenance (Annual)
- UpsideContract replacement (In Progress)
- UCRO:iCS interface for loading contracts into official (In Progress)
- Oracle required application and user password updates (In Progress)
- UIC LAW Data Migration and Xtender Integration (In Progress)
- Validating Adobe Sign for FDA compliance (In Progress)
- Oracle Encryption Phase 2 (In Progress)
- Move Document Management Storage from Unix/Samba to Windows (In Progress)
- Banner 9 Self-Service Analysis (In Progress)
- Business Objects 4.3 Upgrade (In Progress)

PROJECT PIPELINE

In FY22, Systems IT staff completed 19 projects.

Project number and campus impacted are included in parentheses after the project description.

▶ Completed

1. Implement a vended system to manage and publish online catalogs and programs of study (0412) (**ALL**)

2. User Interface and Architecture Standards for ITPC Project (0517) (**ALL**)

3. Migration of SharePoint to Office 365 SharePoint (0607) (**ALL**)

4. Robotic Process Automation (RPA) Implementation (0622) (**ALL**)

5. Exempt Civil Service Vacation and Sick Leave Standardization (0626) (**ALL**)

6. Refund Status Self-Service Page (0627) (**ALL**)

7. Upgrade Mobius/Mobius View Software (0628) (**ALL**)

8. Update Student Emergency Short-Term Loan (ESTL) online Product (0633) (**ALL**)

9. HRFE/PARIS Maintenance (FY22) (0636) (**ALL**)

10. Maintain system necessary for strategic sourcing (iBuy Maint. FY22) (0637) (**ALL**)

11. Ensure efficient and accurate reimbursements (TEM Maint. for FY22) (0638) (**ALL**)

12. Ensure continued efficient processing of contracts (iCS Maint. FY22) (0639) (**ALL**)

13. Maintain quality of services to ~78,000 students (Nelnet Maint. FY22) (0640) (**ALL**)

14. FY22 Annual Financial Aid Regulatory Changes (0641) (**ALL**)

15. Maintain password manager & 2FA for ~200,000 users (IAM Maint. FY22) (0642) (**ALL**)

16. START myResearch Maintenance, Upgrade, and Enhancements (FY22) (0643) (**ALL**)

17. Maintain & Upgrade the Banner Mission Critical System (0646) (**ALL**)

18. Maintenance upgrade to: Xtender 20.4 and BDM 8.7.4.3 (0647) (**ALL**)

19. Banner Spring Upgrade 2022 (0654) (**ALL**)

PROJECT PIPELINE

▶ In Progress

- Provide an integrated IT Solution for the management and assessment of disability services on all three universities (0491) (**ALL**)
- Automate the manual process of loading contracts into the official BOT repository (0515) (**SO**)
- Facilitate the creation of a more secure, reliable system for processing fellowships and student notices of appointment (0545) (**UIC, UIUC**)
- Slate Interaction Data to the EDW (0560) (**UIC, UIS, UIUC**)
- Assist Oracle users/application owners with password updates (0581) (**ALL**)
- Implement Enterprise Applicant Tracking & Job Description System (0592/0623) (**ALL**)
- S2P iBuy Optimization Project (0593-A) (**ALL**)
- S2P Travel Reimbursement Project (0593-B) (**ALL**)
- S2P Total Contract Manager Project (Implementation) (0593-C) (**ALL**)
- UIC Law Acquisition Phase Two Data Migration and Acquisition Requirements (0602) (**UIC**)
- Implement ITSM (IT Service Mgt) and PPM (Project Mgt) Cloud Solution (0605) (**ALL**)
- Implement Parent Proxy in Banner (0619) (**ALL**)
- Security Application Replacement (0620) (**ALL**)
- Data Warehouse and BI Architecture Replacement Analysis (0621) (**ALL**)
- FABweb Re-design and Biennial Inventory Enhancements (0625) (**ALL**)
- System Data Website – Data Visualization Phase 2 (0629) (**ALL**)
- Mandatory Upside Contract Replacement (0631) (**ALL**)
- Unified System Offices Training Website (0634) (**ALL**)
- Financial Process Performance Measures Proposal (0645) (**ALL**)
- OBFS Website Redesign: Development & Implementation (0648) (**ALL**)

- Internal Controls Program (0649) (**ALL**)
- Update System Status Page to a vended cloud solution (0650) (**ALL**)
- Validating Adobe Sign for FDA compliance (0651) (**ALL**)
- System Government Costing ITFM Investigation (0653) (**ALL**)
- Oracle Encryption Phase 2 (0655) (**ALL**)
- Move Document Management Storage from Unix/Samba to Windows (0656) (**ALL**)
- Banner 9 Self-Service Analysis (0657) (**ALL**)
- Maintain system necessary for strategic sourcing (iBuy) (0658) (**ALL**)
- FY23 Annual Financial Aid Regulatory Changes (0659) (**ALL**)
- Ensure quality of services to all students (Nelnet FY23) (0660) (**ALL**)
- Support password manager/2FA for ~200K users (IAM FY23) (0661) (**ALL**)
- STARTmyResearch Maintenance, Upgrade, Enhancements FY23 (0662) (**ALL**)
- HRFE/PARIS Maintenance for FY23 (0663) (**ALL**)
- Non-degree program development analysis (0664) (**ALL**)
- Business Objects 4.3 Upgrade (0665) (**ALL**)
- Banner Fall 2022 and Application Manager Upgrade (0667) (**ALL**)
- Legal Document Management System Investigation (0668) (**ALL**)

▶ In Queue

- Investigate options to meet two U.S. Department of Education regulations using our existing vended systems (0542) (**ALL**)
- S2P Card Program Project (0593-E) (**ALL**)
- Outsource University Check Printing (0632) (**ALL**)

Contact Us

Information Technology Priorities Committee (ITPC)

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