

## Administrative Data and Systems Governance Council, October 2017

Strategy	Activity Description	1H - FY18 (Jul - Dec 2017)	2H - FY18 (Jan - Jun 2018)	1H - FY19 (Jul - Dec 2018)	2H - FY19 (Jul - Dec 2019)	Overlaps/notes	
<p><b>Support and advance student success through enhanced applications, analytics and reporting solutions</b></p>	<p><b>Student Success and Outcomes</b></p>	<p><b>Academic and Curriculum Planning:</b> Develop a suite of student and administrative tools in MyUI and MAUI that allows students to effectively plan their course work and efficiently navigate toward graduation. System will provide data needed for course offering demand analysis and classroom scheduling. These analytics will also be used to improve student outcomes by identifying institutional barriers to degree completion, to forecast course loads, and target areas for growth. <b>(B Evanson, J Fell)</b></p>					
		<p><b>Excelling@Iowa Student Success Platform Support:</b> Publish Excelling@Iowa student survey data and analytics to University Data Warehouse. Develop a Student Success risk analysis dashboard for Excelling@Iowa, Academic Advising Center, Collegiate Advisors and Administrators. Provide integrations between MAUI Advising &amp; Student Records, Radar, and other systems to support other student success initiatives. <b>(M Anson, B Evanson, L Ingram, D Martinez, A Rinner, B Tjelmeland, B Ulin)</b></p>					
		<p><b>Learning Analytics for Student Success/Canvas Data:</b> The success of learning analytics strategies in the teaching domain depends on being able to summarize students' outcomes in courses and track student success through MAUI, Canvas and other instructional application data. Deliverables include student and course-level dashboards of academic engagement and success through identified patterns of student activity measured through the data. <b>(A Beck, B Evanson)</b></p>					Academic Technology
		<p><b>Unizin Data Platform Integrations:</b> Unizin's new data platform is foundational for many internal and external academic and student success initiatives. It can be used as multi-source data platform to streamline queries, collaborative data analytics, and dashboards. There is potential to aggregate, de-identified data to explore cross-institution Unizin consortium data. <b>(A Beck, B Evanson)</b></p>					Academic Technology
	<p><b>Enrollment Management</b></p>		<p><b>Enrollment Management and Student Success Analytics:</b> Extend and enhance the Enrollment Management Dashboard suite to support strategic recruiting, new application vision and collegiate admissions and financial aid planning efforts. Develop Enrollment Analytics including - Pipeline Retention Index, GPA predictors, and Identify Individual highly influencing student attributes for each index. Integrate Enrollment Analytics indexes with Excelling@Iowa. <b>(M Noel, L Moeller, B Gage, A Beckett, B Ulin, G Brown)</b></p>				
			<p><b>Apply on Line 2.0:</b> Streamline processes and refresh application with responsive interfaces that are mobile friendly. <b>(B Gage, A Pyatt)</b></p>				
	<p><b>Data-driven University</b></p>		<p><b>Career Center Data Warehouse (DW) &amp; BI Dashboard:</b> Design Career Services DW module, develop extract transform and load process, develop dashboards for Colleges and Career Services. <b>(J Cavey, B Ulin, A McKie)</b></p>				
			<p><b>Student Services &amp; Residential Services Data Warehouse (DW) &amp; BI:</b> Develop Student Services DW subject area and develop a suite of Student Services dashboard suite including key student success indicators, such as participation in high-impact practices, retention, high-risk drinking metrics. <b>(B Mills, B Ulin)</b></p>				
			<p><b>Collegiate Economic Analysis (CEA) Budgeting Toolset:</b> Develop a toolset that assists colleges to better understand, analyze, and plan their economics (revenue, expenses, profit/loss statement). These reports and analytics will inform a new RCM-like budget model. <b>(S Klatt, D Szysezycki, B Ulin, D Roach, A Pyatt, K Yows)</b></p>				

## Administrative Data and Systems Governance Council, October 2017

Strategy	Activity Description	1H - FY18 (Jul - Dec 2017)	2H - FY18 (Jan - Jun 2018)	1H - FY19 (Jul - Dec 2018)	2H - FY19 (Jul - Dec 2019)	Overlaps/notes
Support and advance the Research Enterprise through enhanced applications, analytics and reporting solutions	Post-award Grant Accounting System (ePost)	<b>ePost Sub award Module:</b> Enhancements to better manage sub awards and tighter integrations with the Pre-Award and Purchasing systems. <b>(A Haddy, J Heath)</b>		<b>ePost Cost Share Module:</b> addition of cost share award management. <b>(A Haddy, J Heath)</b>		
				<b>ePost Billing and Accounts Receivable module:</b> This will add more robust billing and account receivable management. This might include tighter integration with SMART (electronic payment reconciliation). <b>(A Haddy, J Heath)</b>		
	Electronic Research Administration (eRA)	<b>ARIS - Lean event and improvements:</b> Conduct Lean event for the Animal Research Information System. Implement processes that will improve availability and timeliness of data for campus users, improve efficiency of administrative processes including ordering, receiving, and navigation through the system. <b>(J Jimenez, J Lassner)</b>				
		<b>eDSP Sub-Award Editor Consolidation:</b> Reengineer a process that currently involves four different offices and as many systems with a new, campus-focused, system that covers the needs of all of the administrative offices involved in managing pass-through funding awards. <b>(J Jimenez, J Lassner)</b>	<b>eDSP - Reporting:</b> Develop a DW subject area, standard reports, and dashboards. <b>(J Jimenez, J Lassner, N Cook, B Ulin)</b>			
		<b>eDSP - DocuSign integration</b> Integrate Award management system with DocuSign to allow for collection of digital signatures for external entities. <b>(J Jimenez, J Lassner)</b>				
		<b>HawkIRB research system integrations:</b> Integrate the HawkIRB system with various on- and off-campus research systems including EPIC research, iCart, JOC Billing, and CT.gov <b>(M Kane, M Countryman)</b>				
Data-driven University	<b>Space Utilization for Organized Research:</b> Enhance Space Utilization Dashboard to show MTDC trends, and partner with VPR on strategic planning dashboard. <b>(J Lassner, B Ulin, T Welter)</b>		<b>Research Profile Dashboard:</b> Partner with RIS and VPR on strategic and operation Research dashboards <b>(J Jimenez, J Lassner, N Cook, B Ulin)</b>			
Support Talent@Iowa Initiatives and new University Human Resources vision.	Talent@Iowa Vision	<b>Talent Acquisition:</b> Implement Oracle talent Cloud (Taleo) Talent Acquisition System to replace Jobs@Uiowa <b>(A Bell, C Reardon)</b>				
	HR System Automation	<b>HR Transaction and Employee Self-service (ESS):</b> Revise 1st Generation Self Service systems, e.g. HR Transaction System and Benefits Enrollment <b>(M Kaplan)</b>				
	Data-driven University	<b>Process Automation:</b> Automate or Operationalize additional HR Processes to drive efficiency / consistency and reduce support <b>(M Kaplan)</b>				
		<b>HR Analytics:</b> Develop base analytics and BI dashboards including enhanced HR data model and KPIs <b>(M Kaplan, J Troester, B Ulin)</b>				

## Administrative Data and Systems Governance Council, October 2017

Strategy	Activity Description	1H - FY18 (Jul - Dec 2017)	2H - FY18 (Jan - Jun 2018)	1H - FY19 (Jul - Dec 2018)	2H - FY19 (Jul - Dec 2019)	Overlaps/notes
Increase campus efficiency and effectiveness through University Administrative Systems	Accounts Payable and Purchasing	<b>Oracle - Governance, Risk, and Compliance:</b> This product analyzes purchasing data to detect fraud and to ensure that campus is in compliance with purchasing policies. (J Heath, J Watkins)	<b>PeopleSoft Vendor Portal / Oracle Supplier Network:</b> This system will allow vendors to enter invoices to the University directly. (J Heath, J Watkins)			
		<b>ePro 2.0 - Procurement:</b> Phase 2 of the ePro/PREQs/eVoucher replacement application. One stop solution for ordering supplies from vendors and inventory. (J Heath, J Watkins)	<b>ePro 2.0 - Payment:</b> Phase 3 of the ePro/PREQs/eVoucher replacement application. Campus application for making payments to individuals and vendors. (J Heath, J Watkins)			
		<b>Procurement Card and Travel (ProTrav) Data Warehouse:</b> Develop data warehouse and data mart design to allow for a robust Pcard and Travel reporting and BI dashboards. (H Hoerschelman, B Ulin, J Watkins, D Wang)				
	Treasury Operations		<b>SMART (electronic payment reconciliation) Inter-Day Banking:</b> Load information into SMART for same day transactions. This will	<b>SMART (electronic payment reconciliation) - Holding account self-service:</b> This will allow campus		
	Constituent Relationship Management (CRM)	<b>CRM Phase I - Discovery:</b> Explore a potential campus-wide CRM initiative including focus areas, data sources, constituent groups, use cases, potential benefits, best practices and peer mentors.				
	Parking and Transportation	<b>iPark Implementation:</b> Implementation and customization of new Parking Access and Revenue Control System. (J Sayre, D Wang)				
	Facilities Management	<b>Complete Rewrite of Build UI (BUI) system:</b> Replace the legacy BUI with a web-based system that will consolidate functions such as the contractor site and document storage in addition to bringing the system up to contemporary technical standards. (L Finn, S Sawyer)	<b>FM@YourService Customer Service Portal Phase II:</b> Phase II is a significant increase in functionality and will allow for more customer self service including - checking work order status, workflow integration and replacing the current FMReqs system. A buy versus build decision will need to be determined. (L Finn, S Sawyer)			
		<b>Campus Space Model:</b> Develop a campus space model that will provide Campus Planning and FM to provide a decision making system to be used by the Campus Development Committee, colleges and administrative units the ability to do 'what-if' analysis to better plan for their space needs. System integrates space, pedagogy, enrollment and staffing to provide various modeled scenarios. (L Finn, S Sawyer)				
		<b>Utility Billing:</b> All campus utility bills are generated by FM staff and the process today is very manual. Implementation of a Utility Billing System to automate the currently manual process of generating utility bills for energy usage on campus will not only improve the efficiency of the process but also accuracy. (L Finn, S Sawyer)				
	University Libraries	<b>Digital Asset Management Upgrade:</b> Migrating Iowa Digital Library from a vended solution to an open-source platform. (S Julich, P Soderdahl)				
<b>APR/IRO Integration:</b> Develop integration between the UI's Academic & Professional Record (APR) to UI scholarly works deposited in the Libraries managed Iowa Research Online (IRO) (S Malo, P Soderdahl)						

## Administrative Data and Systems Governance Council, October 2017

Strategy	Activity Description	1H - FY18 (Jul - Dec 2017)	2H - FY18 (Jan - Jun 2018)	1H - FY19 (Jul - Dec 2018)	2H - FY19 (Jul - Dec 2019)	Overlaps/notes
Support for Collegiate Administrative Initiatives	Support and advance student success through enhanced applications, analytics and reporting solutions	College of Dentistry - AEFIS/MAUI/Canvas integration: We use AEFIS for course mapping for our upcoming accreditation. We map CODA (Commission on Dental Accreditation) standards to all of our courses so we know what we teach where. We are integrating this application with Canvas/ICON and MAUI data to keep the database in synch with the University authoritative source on courses. (L Garcia, C McBrearty)				
		College of Education - TK20 Evaluation System Implementation: Implement TK20 data system for evaluating students, courses and programs. (J Achrazoglou)				
		Tippie College of Business - Assurance of Learning Database: Creating a database from Canvas data, MAUI data, and other sources for our accreditation with AACSB. (J Chaffee)				
		Carver College of Medicine - Liaison Committee of Medical Education (LCME) Dashboard Phase I - creating and educational data warehouse that aggregates data about CCOM curriculum and provides access to this data to drive CQI efforts. Data sources include UI (HRIS, Canvas, Space survey), Collegiate data (student information, assessment and evaluations) and external (AAMC, USMLE scores)(B Knosp)	Carver College of Medicine - LCME Dashboard Phase II - continued enhancements to include Continuing Medical Education (CME) and Graduate Medical Educations (GME) (B Knosp)			
	Support and advance the Research Enterprise through enhanced applications, analytics and reporting solutions	College of Dentistry - Axiom/EPIC/Progeny integration: This project is to integrate dental (axiom) and medical (EPIC) EHR data with our human sample (DNA, teeth, tissue) database, allowing us to do research across multiple data sets. (B Amendt, C McBrearty)				
	Increase efficiency and effectiveness through University Administrative Applications	Tippie College of Business - Salesforce CRM Implementation: Utilize Salesforce CRM system to capture data about potential students, alumni, business and community partnerships, etc... (J Chaffee, F Pierce, J Courtney)				
	College of Pharmacy - UI Pharmaceuticals (UIP) Business Operations Database Phase I - Create a system supporting UIP business operations from sponsor intake through project completion, and invoicing. (R Yeates, S Barrett, S Bowers, G Schwartz)	College of Pharmacy - UIP Business Operations Database Phase II - Add invoicing, finished goods inventory, and shipping management capability to the system. (R Yeates, S Barrett, S Bowers, G Schwartz)				