

Technology Fee Presentation



Student Fee Management Committee – January 19, 2022 (FY23)

Overview

- Organizational Structure
- Strategic Planning
- Funding for IT @ WSU
- Technology Fee Recommendation
- FY23



Information Services



Digital
Transformation
and User
Experience

Robin Honken,
Director



Infrastructure
and Data
Services

David Gresham,
Director



Teaching,
Learning, and
Technology
Services

Ken Graetz,
Director



Darrell W.
Krueger
Library

Ken Janz,
Dean

Strategic Technology Plan



Adopted: Summer 2021

- **Teaching and Learning.** Empower technology-enriched teaching, learning, and student success.
- **Digital Transformation (Dx).** Prepare and support Winona State for shifts in culture, workforce, and technology that will transform our institution's operations.
- **Customer Partnerships and Experience.** Enhance customer relationships to realize the promise of, “the trusted partner for your digital life.”
- **Information Technology Core.** Provide a resilient, flexible, agile, and secure core information technology infrastructure. A foundation for the other three pillars.

<https://www.winona.edu/strategic-planning/>



Planning Matters: Aligning Spending with Planning



IT Budget Alignment to Information Technology Strategic Plan

Projects Identified In the Information Technology Strategic Plan (Projects in Excess of \$100,000)

Project	Requestor	Who Benefits	Function	Consequences	Cost Center	FY22 Cost	FY23 Cost	FY24 Cost	Total
Enrich Learning Spaces - Classroom Technology Upgrades <i>Technology Planning Item 1.3</i>	Student Technology Fee Committee and AUTC	Students and faculty who use classrooms	Enhance Learning Spaces to Support Active Learning and HyFlex Delivery	Student and faculty disappointment.	Student technology fee primarily. Supplemented with e-Warrior funding.	\$100,000	\$100,000	\$100,000	\$300,000
Implement and enhance document imaging process (Knowledge Lake Upgrade) <i>Technology Planning Item 2.6</i>	Student Support Services (Admissions, Hub)	Students via improved administrative processes	End of Life Technology	Product going end of life. Will not be able to continue document imaging.	New cost center needs to be established.	\$50,000	\$50,000	\$50,000	\$150,000
Support efforts of Marketing and Communications to redesign the Website and update the Content Management system. <i>Technology Planning Item 3.3.1</i>	Cabinet	Prospects and the current university community.	Update and enhance the current University website.	Outdated website	New funding source will need to be identified. Total cost will be determined via current scoping RFP.	\$200,000			\$200,000

Assessment – Year End Report

- Last year's theme was organizational resilience.
- Power of the e-Warrior program was seen in the data collected.

"What overall grade would you give the eWarrior Digital Life and Learning Program? 93% of students selected either A or B, up from 88% last year.

2021 Assessment Day Survey

"The use of a laptop is important to my academic success." 97% of WSU students agreed or strongly agreed, up from 94% last year.

2021 Assessment Day Survey



INFORMATION TECHNOLOGY SERVICES

WINONA STATE UNIVERSITY
FY21 (2020 – 2021) YEAR END REPORT

WINONA.EDU/TECHNOLOGY

Learning Spaces

- All large and most mid-sized lecture halls now support flexible use via built-in Zoom Room systems
- Mobile technology makes every WSU learning space accessible remotely



Adoption of Technology

“Overall, my instructors use technology effectively in their courses” 81% of WSU students agreed or strongly agreed, up from 77% last year.

2021 Assessment Day Survey



“How would you describe your overall technology experience at your institution?”
90% of WSU students selected either Good or Excellent, compared to 77% for all 4-year public institutions.

2020 ECAR Student Survey

Building a Culture of Assessment – Data!



64%
of alumni reported that their participation in the DLLP led to the development of computer skills that exceed their co-workers'.

2012 Survey of Alumni – 3 Years Out from Graduation

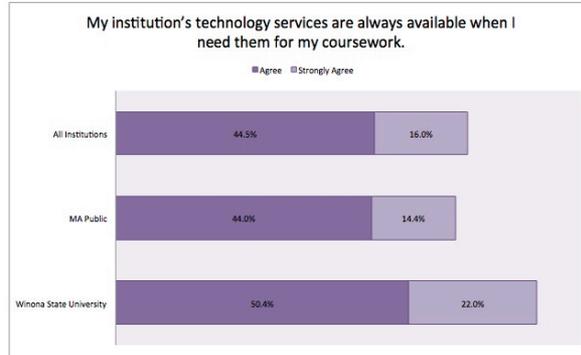
Data



89%

agreed with the statement, *“The use of the laptop is important for my academic success.”*

Data



Data



External Group (Top Employers)

94%
Agree - WSU is a leader in technology and technology infused learning (Second Highest of 10 accomplished)

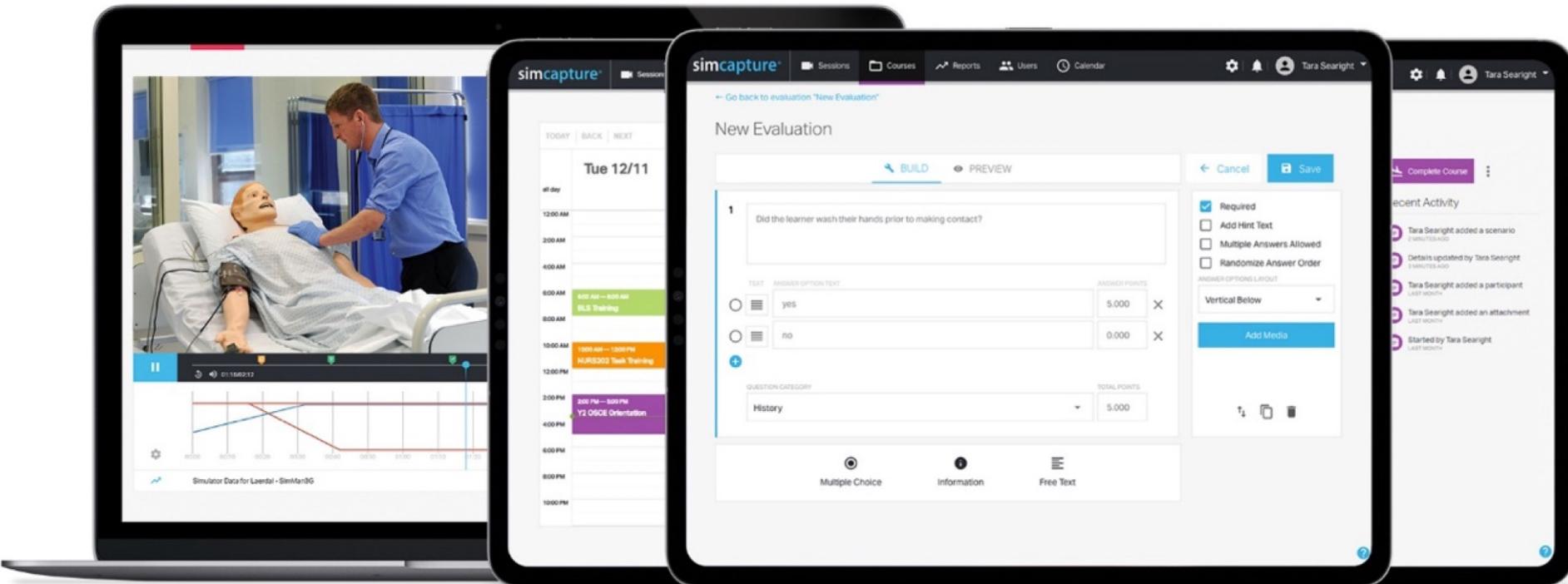
Data



48%

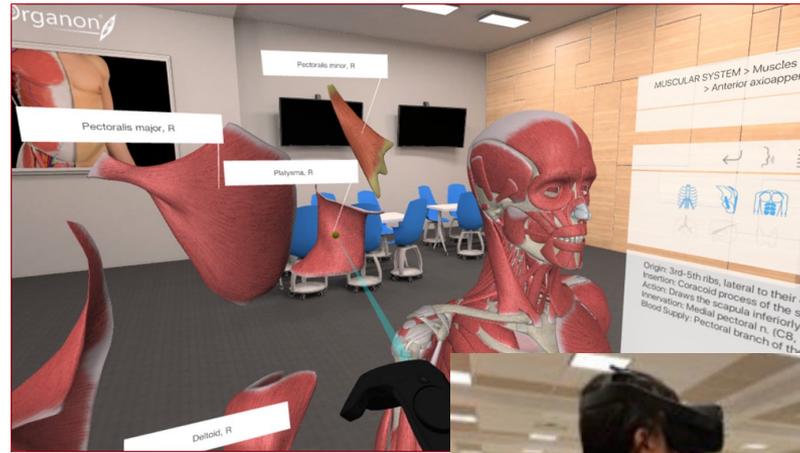
Program played a role in their decision to attend WSU

Rochester Graduate Nursing and Skills Lab



Extended Reality

- Working with Biology and Nursing faculty to integrate VR experiences into courses
- Student VR access available in campus libraries by the end of the fiscal year.



\$ - Money

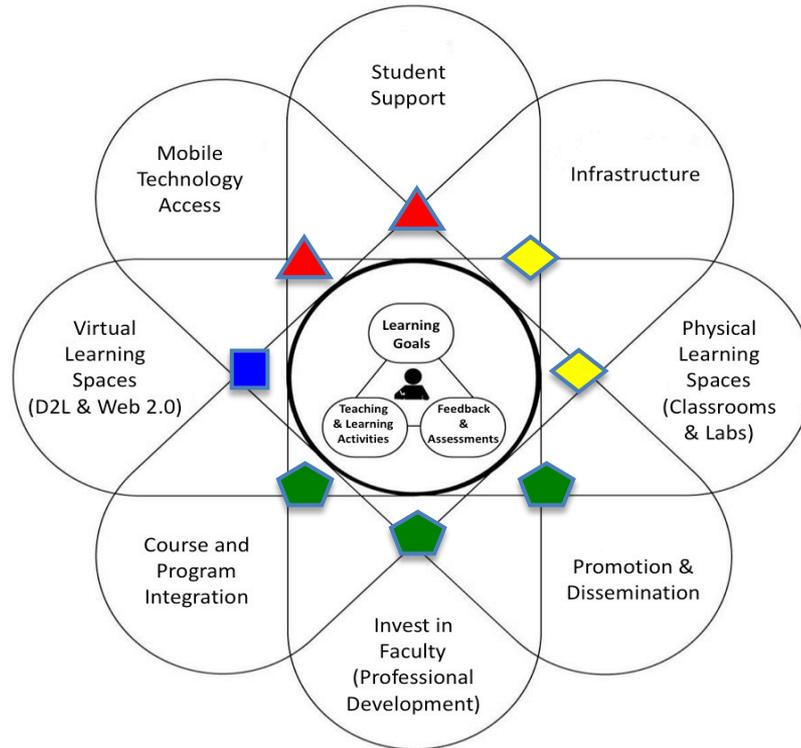
Funding Sources - IT

- e-Warrior: Digital Life and Learning Program Fee*
- Student Technology Fee*
- Res Hall Technology Fee*
- General Fund



* Represents a significant part of the IT budget

Student Fees



-  e-Warrior: Digital Life and Learning Program Fee
-  Student Technology Fee
-  General Operating Budget of the University
-  Office of the Chancellor Enterprise Fund

IT is asking for a 3% increase



	FY22	FY23
Per Credit	\$7.62	\$7.85 (3% increase)

Collected total \$1,100,000



WSU Student Technology Fee

**What is proposed
for FY23?**

Student Help

\$203,000

- Student staffing for walk-in support positions
- Student Technology Fee and e-Warrior Program supports over 100 student Positions



Salaries

\$388,469

- 8 Staff
 - Help desk phone support
 - Instructional design
 - classroom support
 - network support



Equipment

\$100,000

- **Classroom Upgrades**
 - Projectors
 - A/V Systems
 - Podiums
- **Network Switches (111 Comm. Closets)**
- **Wireless Access Points**
- **Servers**
 - Storage
 - Streaming Media



Software and Maintenance

\$357,000

- Server – OS & Database
- Utility – Antivirus, AntiSPAM, Backup, Network Monitoring Tools, & Remote Access (VPN)
- Applications – All the Microsoft, Adobe Products, SAS, SPSS, ArcGIS, EMS, etc



Supplies

\$51,531

- Student and Public Printers
 - Paper
 - Toner
 - Consumables
- Campus Card Supplies
- Networking Supplies
- Lower cost equipment



NEW
INITIATIVES



Current Wireless Design Backend Technology Put in Place in 2012



Why are we upgrading our wireless network?



Features never imagined were not available when we purchased original wireless controllers in 2012.



6th Generation Wi-Fi - Laptop and IOT (Internet Of Thing) technology.

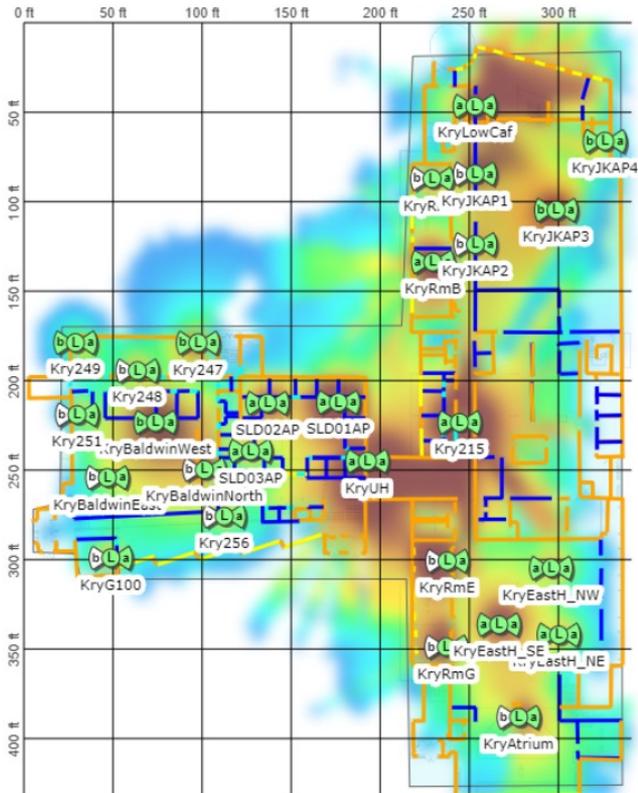


End-to-end quality of service.



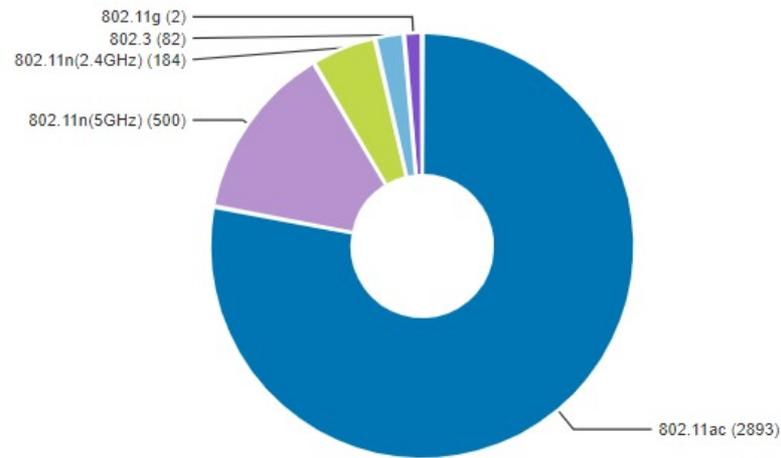
The Cloud didn't exist in 2012 so all this hardware had to be located locally.

Wireless Upgrade



Client Distribution

Protocol | EAP Type | Authentication Type



Support Heavier 2 Way Use

802.11ac 802.11n(5GHz) 802.11n(2.4GHz) 802.3 802.11g

Features of Mist Wireless Solution

Industry Leading Technology

- Already proven solution by MIT and Dartmouth

Cloud based Solution Offers More Flexibility and Features

Occupancy Data

Artificial Intelligence

Enhanced User Experience

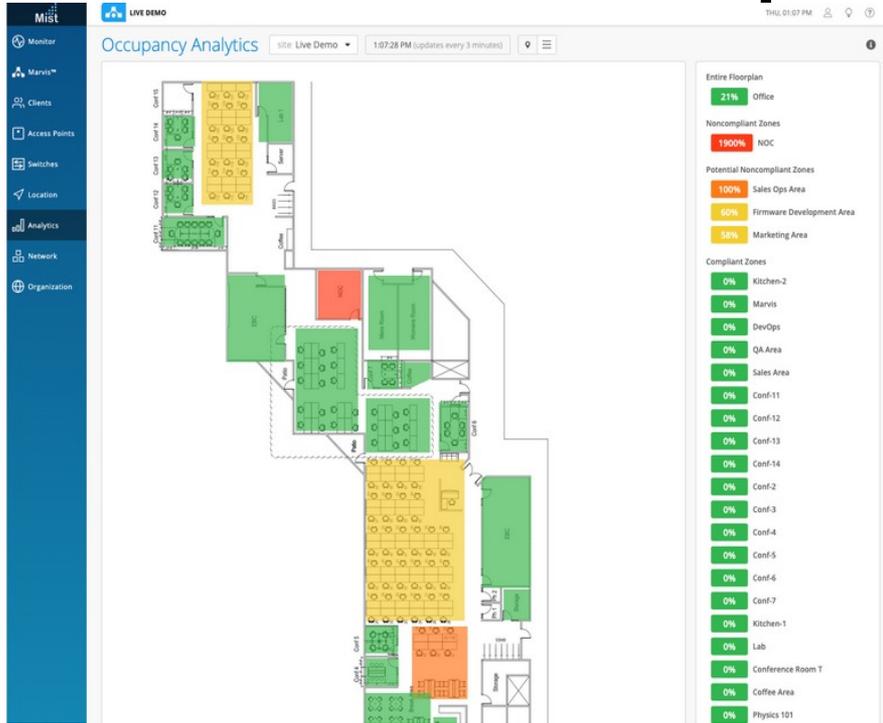
Remote User Enhancements

Figure 1. Magic Quadrant for Wired and Wireless LAN Access Infrastructure

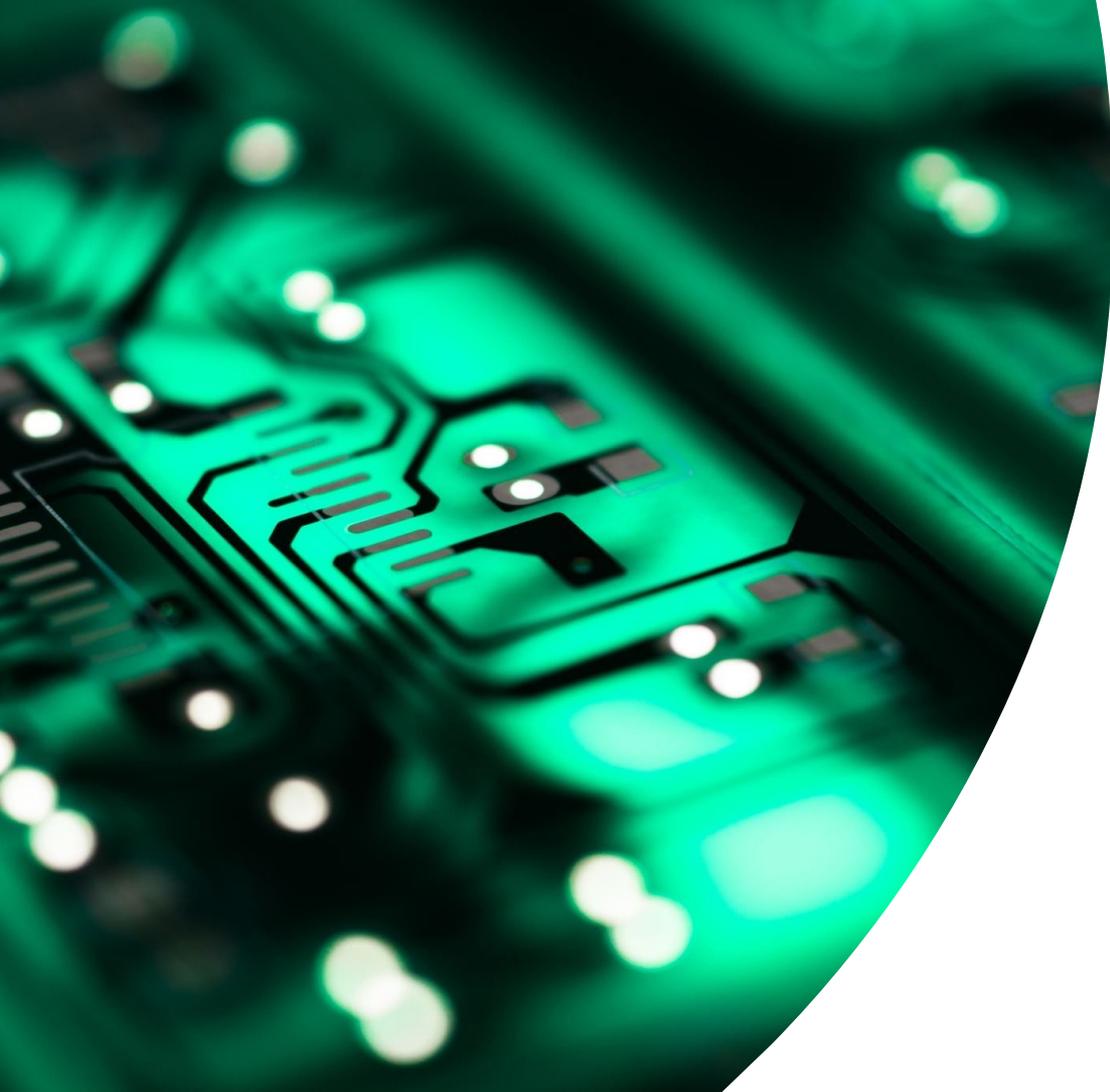


Leaders in the Industry Gartner Magic Quadrant

Occupancy Data



- RED – Occupancy is over limit
- Orange – Reaching maximum capacity
- Green – currently at low capacity



Tomorrow's Technology

Tomorrow's Technology



- Open Educational Resources (OER)
- Extended Reality at Scale
- Personalized Learning Assistants
- Actionable Learning Analytics
- Online and Hybrid Course Quality Improvement
- Active Learning Classrooms

Questions

