AGILE TECHNOLOGY PLANNING EMBRACING CHANGE CRAIG PARK, FSMPS, ASSOC. AIA ASSOCIATE PRINCIPAL DIRECTOR OF DIGITAL EXPERIENCE DESIGN CLARK ENERSEN ENERSEN South Carolina Chapter South Carolina Chapter	
The only constant in the technology industry is change. — Marc Benioff CEO, Salesforce	
The future ain't what it used to be. – Yogi Berra	

TODAY'S PROGRAM WHY WE PLAN WAYS TO PLAN 7 STEPS OF TECHNOLOGY PLANNING APPLYING AN AGILE APPROACH DIALOGUE / Q&A	
LEARNING OUTCOMES Identify challenges to effective strategic technology planning Develop planning guidelines aligned with organizational vision Apply agile processes to technology planning Define steps and processes needed to create an achievable, agile, strategic technology plan	
WHY WE PLAN	

\ THE CAMPUS DIGITAL EXPERIENCE

- **▶** Connect
- **▶** Communicate
- ▶ Collaborate
- ► Consume
- ► Contribute
- ► Convene
- **▶** Curate



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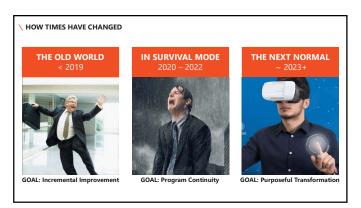
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At the beginning of the day, it's all about possibilities...
At the end of the day, it's all about results.

— Bob Prosen Author, Kiss Theory Goodbye



ADAPTING FOR IMPROVED LEARNING OUTCOMES **NEW PEDAGOGIES NEW LEARNING SPACES** Hybrid/Flexible Peer-to-Peer Collaborative **Self-Directed Engaged & Experiential** Informal Visual & Kinetic **Inter-Disciplinary** Inter-Professional **Active/Engaged** Service-Oriented **Multi-Purpose** Virtual / Augmented Value-Based

THE FUTURE: INFRASTRUCTURE

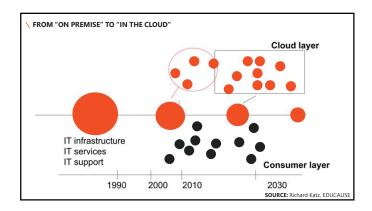
- 5G / WiFi 6: Faster, Better, Cheaper
 Bandwidth, Access, Intelligence
- ► AV-over-IP (AVoIP)
- All AV Devices Managed on the Network
- Passive Optical Networks (PON)
 Fiber for High Speed, Secure, Intra-Building-Wide Networks
- ▶ Internet of Things (IoT) / Energy Efficiency Systems (EES)
 Real-Time BMS/EMS Analytics to help meet Sustainability Goals
- ▶ Al: The Rise of Intelligent Building Systems
 Al-Enabled Smart Building
- Li-Fi: Light-Fidelity Communications
 LED-Based Information Distribution for Way-Finding in Intra-Building Connections



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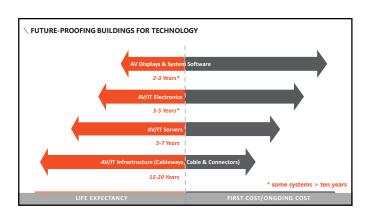
- Advanced Visualization Systems
 Capable of Displaying Large Data Sets at High Resolution
- Hyflex / Team Collaboration
 Building Infrastructure & Systems Specs for Connectivity Inclusion/Equity
- ► Multi-Device BYOD
- Planning Wi-Fi to support 4+ Devices/Person ► Archiving Team Collaboration Sessions
- Providing for Access and Quick Recall of Data
 Group Collaboration Tools (e.g., Miro, Mural, Alleo)
- Consistent & Intuitive UX
 Maintaining Familiar Tactile Forms
- ► Mixed Reality Simulation & the Metaverse
- Adopting/Adapting AR/VR/XR Systems for Enhanced Experiential Learning



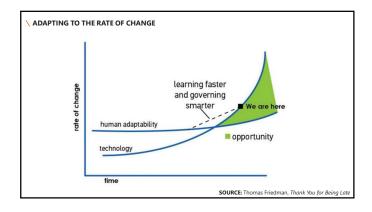


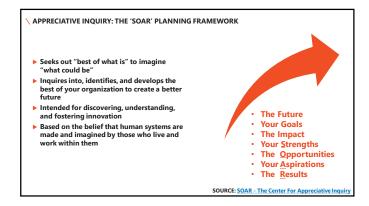
The slowest network your students will ever accept is the fastest they've ever experienced.

— Mark Valenti, CTS CEO, The Sextant Group (retired)

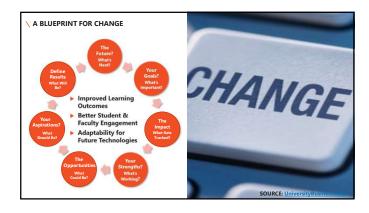


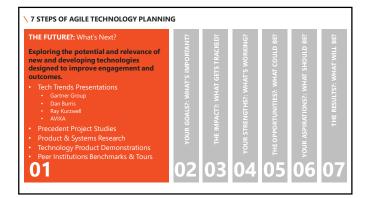
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			-	
WAYS TO PLAN				
			-	
\ 3 PLANNING TOOLS				
CMOT	SOAR	CCENIADIO		
SWOT	SUAR	SCENARIO		
Strengths	• Strengths	Quantitative		
 Opportunities 	 Opportunities 	 Operational 		
WeaknessesThreats	AspirationsResults	NormativeNarrative		
A realistic, fact-based, data-		Foresight-based planning which		
driven look at an organization,	A framework approach focusing on understanding the whole system including the voices of	considers a variety of possible or probable futures as a basis for		
initiative, or industry.	the relevant stakeholders	long-term strategy development.		
			-	
Your woi	rst-case scenario is	s not even		
remotely	the worst that ca			
		Peter Linneman		
	Principal/Founder, Linne	man Associates		
				_
			<u></u>	
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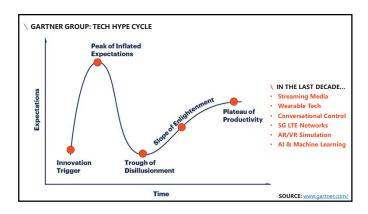


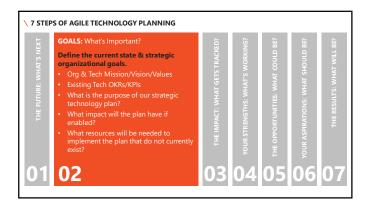


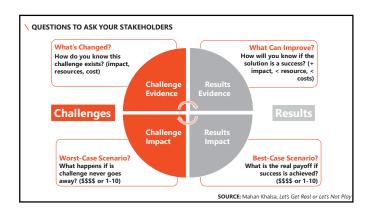


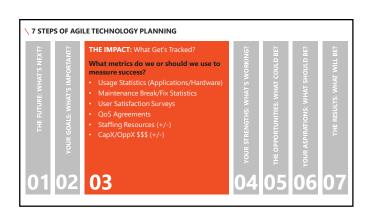












QUESTIONS TO ASK YOUR TECHNOLOGY TEAM

► RISK

 Which technology services/resources are needed to mitigate/reduce risk to our (current & future) campus' initiatives & stakeholders?

► INEFFICIENCY

 Which technology services/resources are needed to reduce our organizational inefficiencies?

► EXPENSE

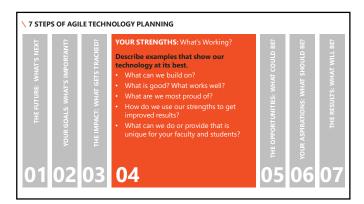
 Which technology services/resources are needed to reduce costs (capital & operational)?

► STRESS

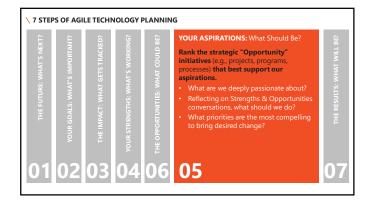
 Which technology services/resources are needed to reduce systemic stress in our organization?



SOURCE: Ackert In

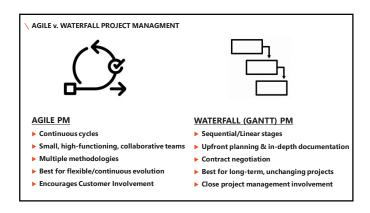


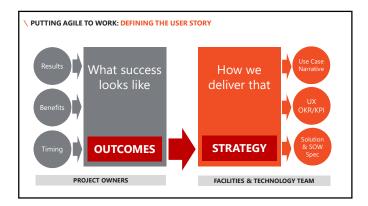
∖ 7 STEI	7 STEPS OF AGILE TECHNOLOGY PLANNING						
THE FUTURE: WHAT'S NEXT?	YOUR GOALS: WHAT'S IMPORTANT?	THE IMPACT: WHAT GETS TRACKED?	YOUR STRENGTHTS: WHAT'S WORKING?	THE OPPORTUNITIES: What' Could Be? Describe applications or technologies that could contribute to improved outcomes if there were no resource limits. How do we capitalize on new trends & developments? How to best meet the needs of our students, faculty, & community? What are the top opportunities on which we should focus our efforts? What new or added resources do we need?	YOUR ASPIRATIONS: WHAT SHOULD BE?	THE RESULTS: WHAT WILL BE?	
01	02	03	04	05	06	07	

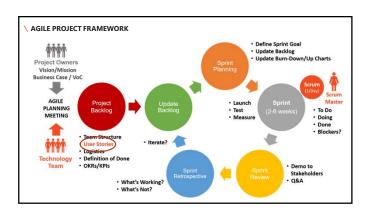


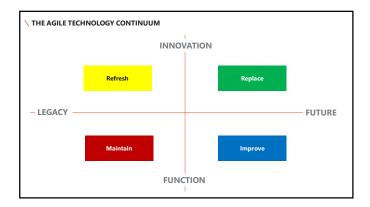
↑ 7 STEPS OF AGILE TECHNOLOGY PLANNING						
THE FUTURE: WHAT'S NEXT?	YOUR GOALS: WHAT'S IMPORTANT?	THE IMPACT: WHAT GETS TRACKED?	YOUR STRENGTHS: WHAT'S WORKING?	THE OPPORTUNITIES: WHAT COULD BE?	YOUR ASPIRATIONS: WHAT SHOULD BE?	THE RESULTS: What Will Be? Considering Steps 1-6, what meaningful actions would indicate that we are on track to achieving our goals? Short-Term (< 1 year) x Long-Term (< 3 years) How do we define success for our technology-related initiatives? How do we know we are succeeding? What resources are needed to implement priority strategies? What governance structure is needed for continual technology planning?
01	02	03	04	05	06	07

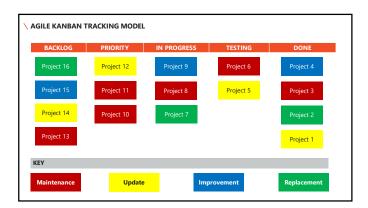


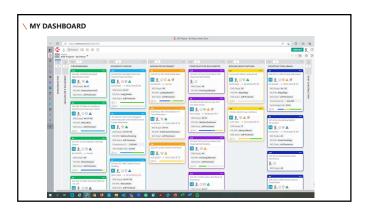


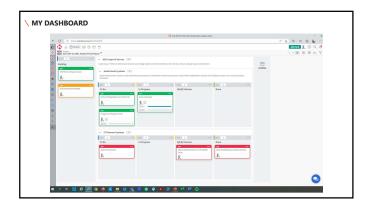


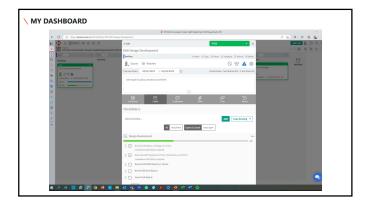






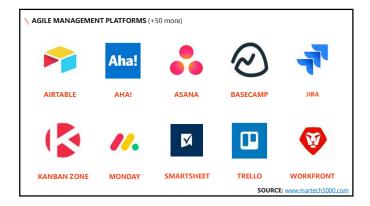




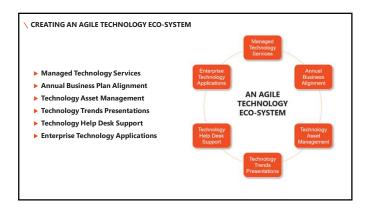




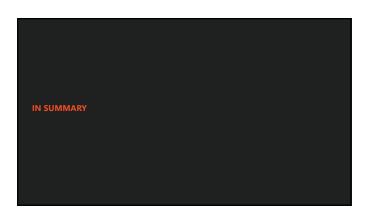


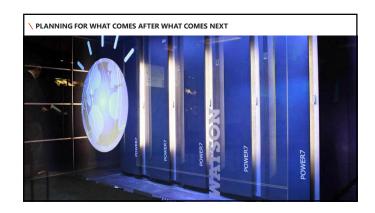




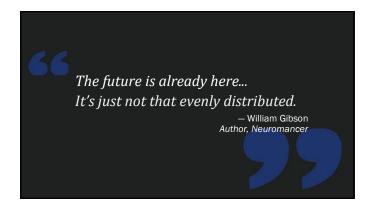


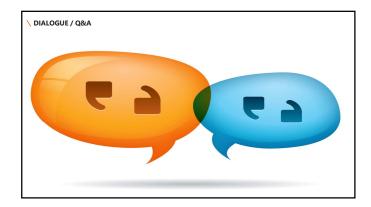
\ TECHNOLOGY COMMISSIONING (Cx) & RETRO-COMMISSIONING (RCx)
DESIGN INTENT & PROGRAM CRITERIA
FUNCTIONAL & PERFORMANCE CRITERIA REP REP
POST-INTEGRATION SYSTEMS TESTING
ADJUSTMENTS, TRAINING & CLOSEOUT
POST-OCCUPANCY FUNCTIONAL VERIFICATION











\ THANK YOU!	
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