CAMPUS TECH MEETING

FRIDAY, APRIL 26, 2019

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AGENDA

- Organizational
- IT Strategic Plan
- Disaster Recovery
- Multi-Factor Authentication (MFA)
- Server/Storage Announcements
- DNS/Firewall Rule Clean Up
- Payment Card Industry (PCI)
- Vulnerability Management
- Classroom Support
- Accessible Technology Initiative (ATI)
- AWS Educate
- Titan Online – PeopleTools Upgrade
- CHRS Recruit
- Titan Digital Signage
- Important Key Dates
- Survey

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ORGANIZATIONAL UPDATES

BERHANU TADESSE

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ORGANIZATIONAL UPDATES

- Rommel Hidalgo, AVPIT/Innovation Officer
- Anthony Keys, Research Tech (Data Analytics)

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IT STRATEGIC PLAN UPDATES

- SWOT feedback collected from various campus constituents
- Responses were analyzed and themes were developed
- Goals were developed based on the themes

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GOALS – DRAFT

- Goal 1: Student Success
  - Our students depend on technology as a integral part of their academic and social experience at CSUF. Social technology can foster a sense of belonging, increase student retention, and promote academic achievement. Technology is continuously changing and providing the most innovative technology will prepare students for success.

- Goal 2: Innovative Technologies
  - A culture of innovation is necessary for Titans to Reach Higher. As such, the Division of IT will continue to explore transformative technology for the campus community.

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GOALS – DRAFT

- Goal 3: Inclusive Organizational Excellence
  - A diverse and inclusive work environment ensures staff have the skills, understanding, and time to influence the success of the division.

- Goal 4: Advanced Cyber Infrastructure
  - A robust and secured cyber infrastructure lays the foundation for all information technology services the university provides to its constituents.

INFRASTRUCTURE UPDATES

BERHANU TADESSE

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DISASTER RECOVERY – MAY 25, 2019

Primary Project Manager – Pauline Knox

Failover

- 7:30 AM – Zoom Check-In
- 8:00 AM – Failover Exercise Begins
- 10:15 AM – Failover completes, Functional Testing Begin
- 2:00 PM – Zoom – End of Failover Status Check

Failback

- 2:15 PM – Start Failing Back Services to Campus
- 4:00 PM – Zoom Check-In - Start of Campus Testing
  - Testing by Campus Techs, SGC, IT Help Desk, Functional Groups
- 6:45 PM – Send All Clear Announcement
- 6:45 PM – Zoom Check-In End of Exercise

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MULTI-FACTOR AUTHENTICATION (MFA)

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SERVER / STORAGE ANNOUNCEMENTS

BILL ELBETTAR

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SERVER INFRASTRUCTURE

- Summer 2019 – VMWare upgrades to Version 6.5
- June 2019 – Migrate all backup jobs from NetVault and Rapid Recovery into Rubrik backup – requires VMTools update
- End of 2019 – OLD VCL decommissioning
- Server OS patching

NETWORK UPDATE

JAY LIN

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DNS / FIREWALL RULE CLEAN UP

- Elevating Security Awareness – Network clean up
- Infoblox DNS, DHCP, IP Address Management (DDI) solution
  - Migration completed during Spring Recess – April 2-5
  - DNS / IP address clean up
    - Stale / Aged DNS records – Assigned but no look up within 90 days
    - External DNS records validation – What record goes to external DNS servers
    - Incorrect DNS records – Name is not reflect to current server
    - Aged reserved IP address – IP was previously assigned used and retired. No activity within 120 days - 90 days
    - Scenario:
      - New server's MAC address -> Assigned reserved IP -> Firewall policy crafted based on assigned IP -> Server retired -> Security hole

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DNS / FIREWALL RULE CLEAN UP

- Palo Alto Network Firewall migration
  - Completed Admin, Campus, and Acad Checkpoints to Palo Alto Network
  - Summer: VoIP Firewall, and DR Firewall
  - Firewall rule clean up
    - Firewall Request: Source IP, Destination IP and Ports
    - Firewall policy with “zero hit” / no counter in ninety day will get remove

INFORMATION SECURITY UPDATES

TONY MODIRI

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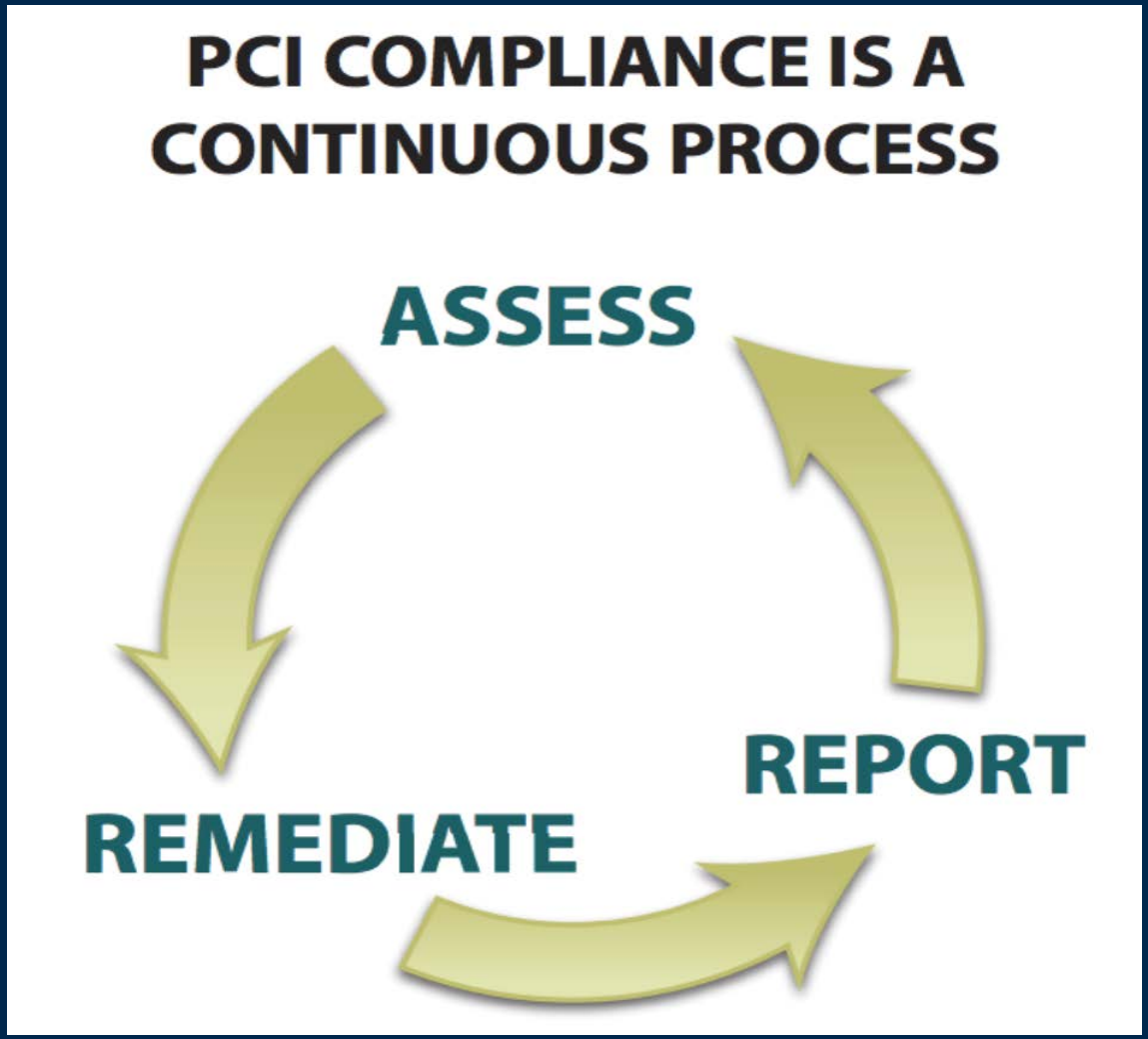
PAYMENT CARD INDUSTRY (PCI)

Goals	PCI DSS Requirements
Build and Maintain a Secure Network	1. Install and maintain a firewall configuration to protect cardholder data 2. Do not use vendor-supplied defaults for system passwords and other security parameters
Protect Cardholder Data	3. Protect stored cardholder data 4. Encrypt transmission of cardholder data across open, public networks
Maintain a Vulnerability Management Program	5. Use and regularly update anti-virus software or programs 6. Develop and maintain secure systems and applications
Implement Strong Access Control Measures	7. Restrict access to cardholder data by business need-to-know 8. Assign a unique ID to each person with computer access 9. Restrict physical access to cardholder data
Regularly Monitor and Test Networks	10. Track and monitor all access to network resources and cardholder data 11. Regularly test security systems and processes
Maintain an Information Security Policy	12. Maintain a policy that addresses information security for all personnel

PAYMENT CARD INDUSTRY (PCI)

- 6 Goals
- 12 Requirements
- 62 Main Clauses
- 289 Testing Procedures

PAYMENT CARD INDUSTRY (PCI)



VULNERABILITY MANAGEMENT UPDATE

- EAB Contact Information
  - Ron Yanosky, Director of Strategic Research
    - Phone: 202-568-7956
    - Email: ryanosky@eab.com

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VULNERABILITY MANAGEMENT UPDATE

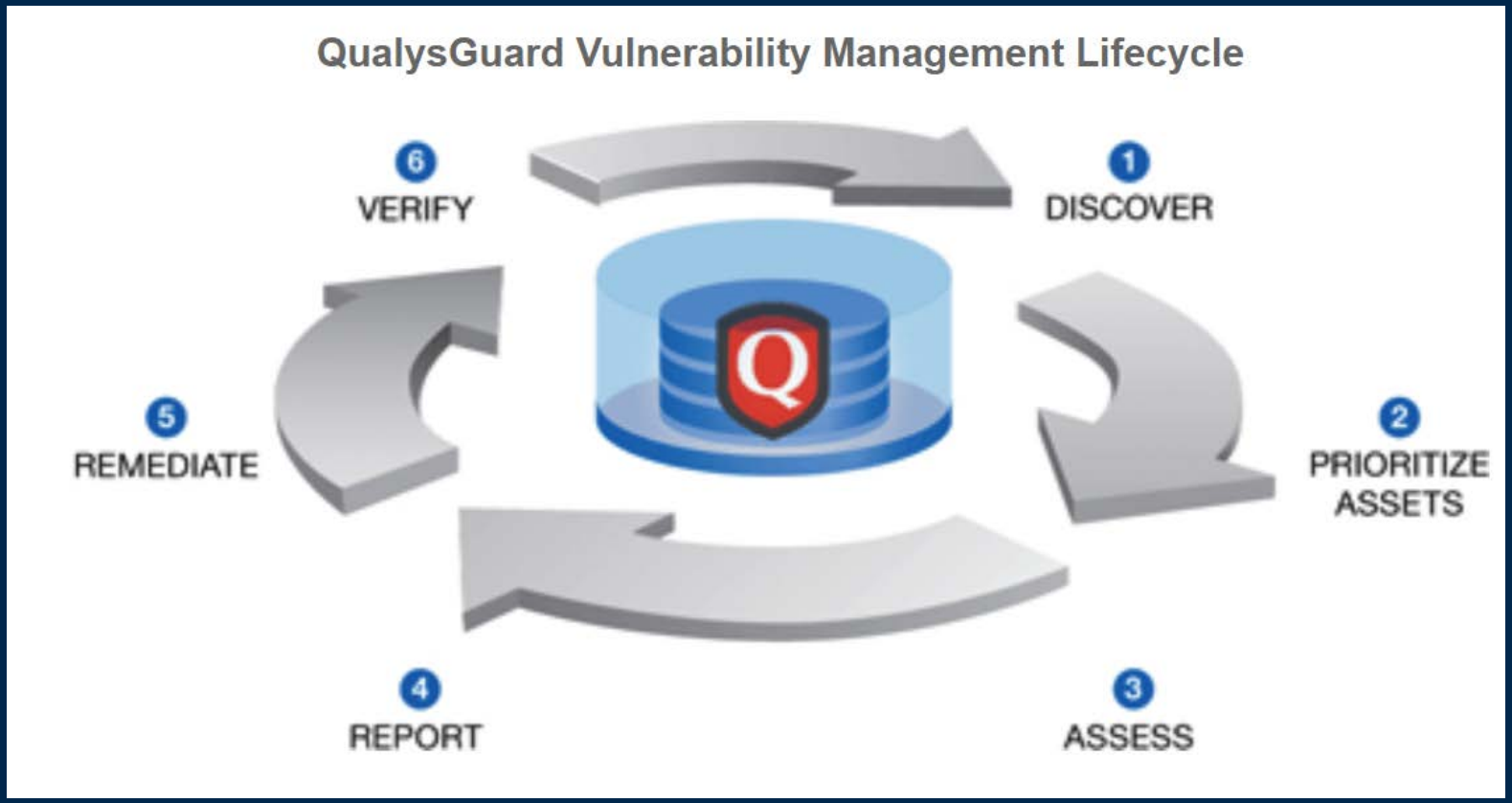
- University of Calgary paid $20K in ransomware attack (how video)
  - https://www.cbc.ca/news/canada/calgary/university-calgary-ransomware-cyberattack-1.3620979
- Hollywood hospital pays $17,000 in bitcoin to hackers; FBI investigating
  - https://www.latimes.com/business/technology/la-me-ln-hollywood-hospital-bitcoin-20160217-story.html
- Los Angeles Valley College pays $28,000 in bitcoin ransom to hackers
  - https://www.latimes.com/local/lanow/la-me-ln-los-angeles-valley-college-hacking-bitcoin-ransom-20170111-story.html

VULNERABILITY MANAGEMENT UPDATE

- Making Risks Relevant
- Demonstrating Vulnerabilities
- Incenting Secure Behavior

VULNERABILITY MANAGEMENT

Vulnerability Management is a **Continuous** Process



ACADEMIC TECHNOLOGY UPDATES

WILLIE PENG

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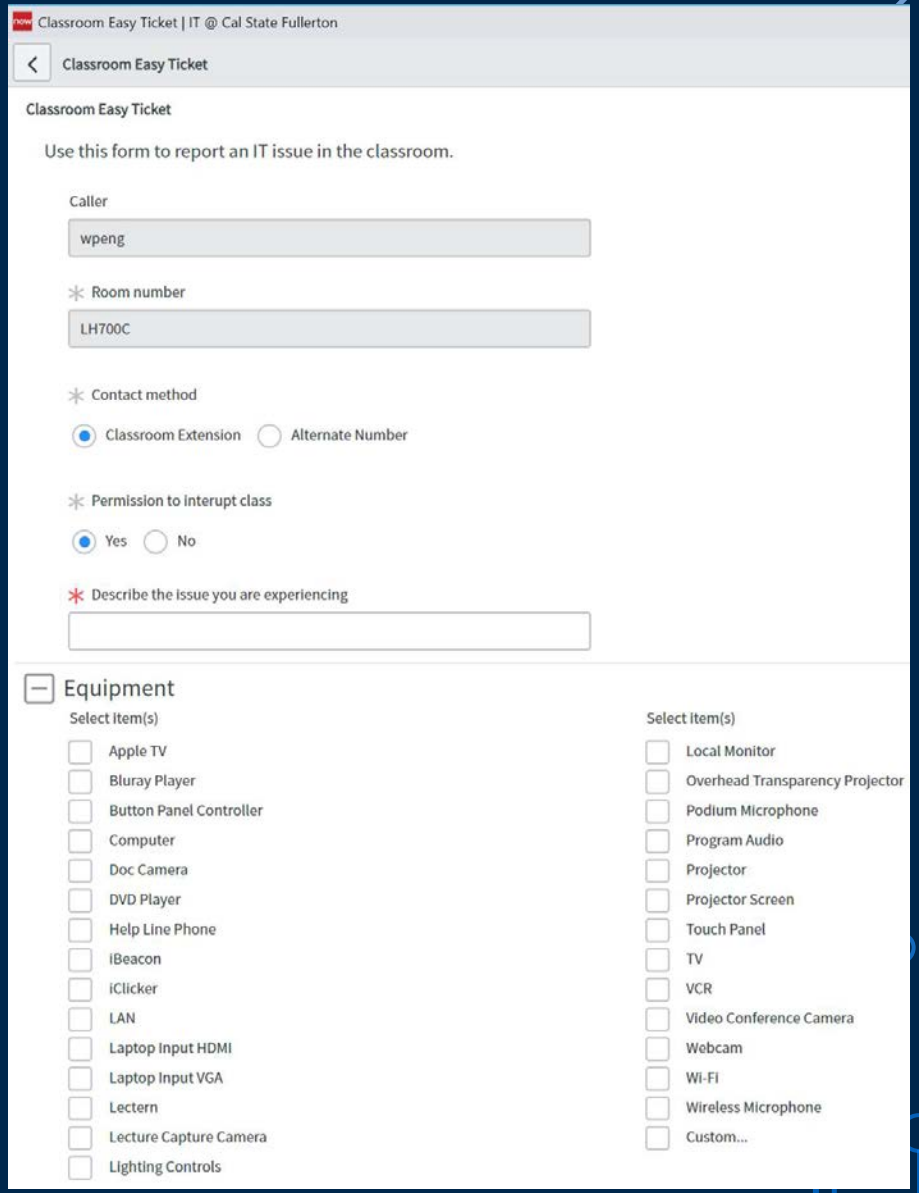
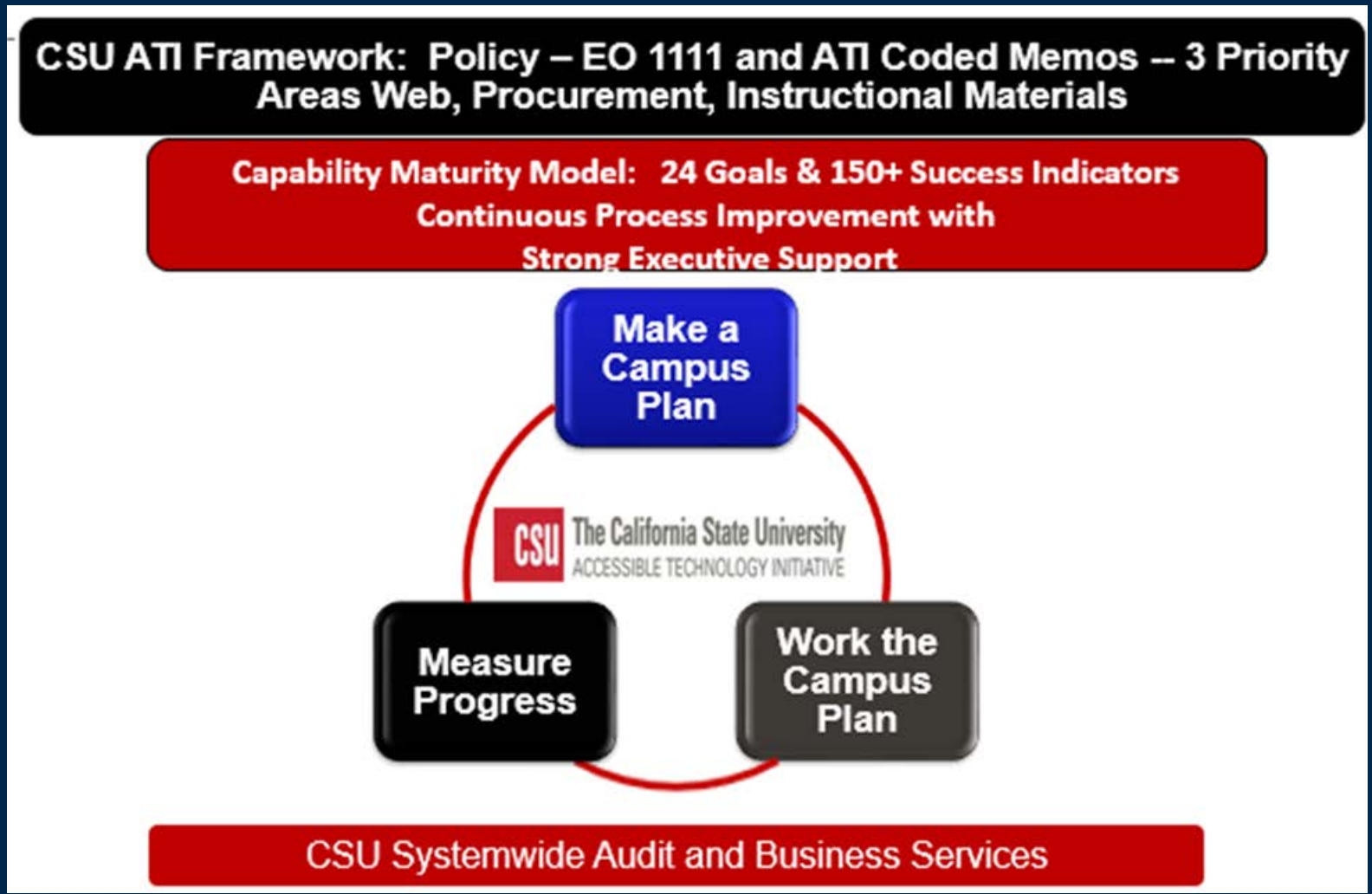
CLASSROOM SUPPORT

- Provide alternative method to submit incident in smart classroom computer
- App will be deployed via SCCM Summer 2019



ACCESSIBLE TECHNOLOGY INITIATIVE (ATI)



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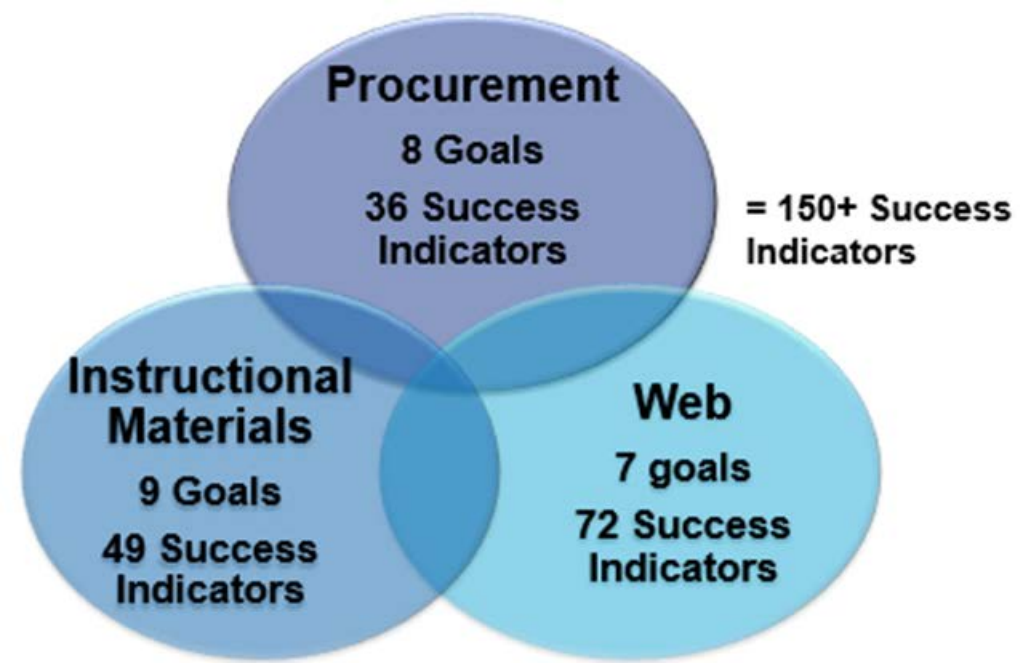
ACCESSIBLE TECHNOLOGY INITIATIVE (ATI)

- CSUF state of ATI
- Governance
  - Steering Committee
  - Working Group
    - Web Accessibility
    - Instructional Material
    - Procurement
- New ATI Website



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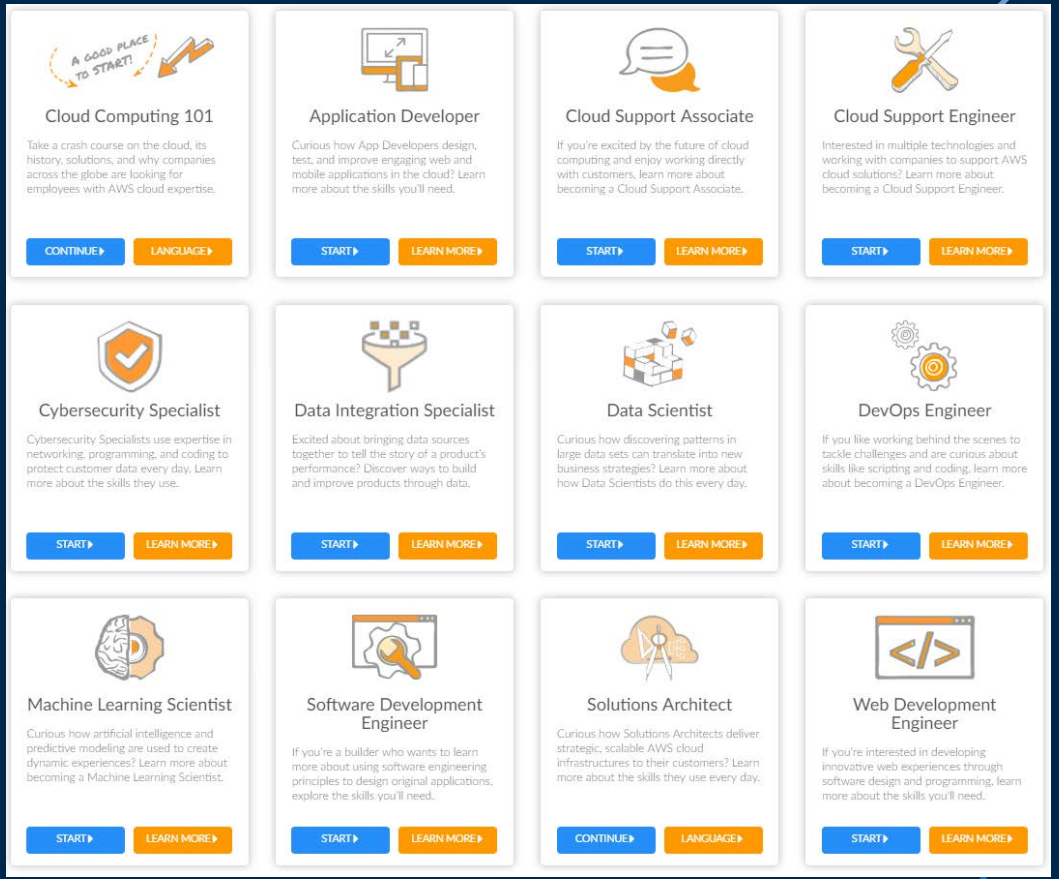
AWS EDUCATE

- Platform to learn AWS
- Free training + 75 AWS credits + 1 year AWS access
- Sign up via TITANium (contact Willie Peng)



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ENTERPRISE RESOURCE PLANNING UPDATES

JOE LUZZI / RAMESH PUROHIT

CALIFORNIA STATE UNIVERSITY
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TITAN ONLINE – PEOPLETOOLS UPGRADE

- PeopleTools 8.55 to PeopleTools 8.56
- Technical Upgrade - Mandated by CO
- No Functional Impact
- Status - Testing in Progress
- Go-Live Plan – Monday, June 17, 2019
- CMS Outage Start – June 14, 2019 at 5:00 PM
- Communication to Campus planned

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CHRS RECRUIT UPDATE

- CHRS Recruit (PageUp)
  - Students, Staff, Faculty
- Integration with PeopleSoft HR (CHRS)
  - Data files
  - API – Future
- New Job Posting Site: http://hr.fullerton.edu/career/
- Security
  - Reports
  - Campus Isolation
- Training
  - CO Providing Training / User Guides

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CHRS RECRUIT UPDATE

- Go-Live March 28th
  - Emergency Hires Only
- Go-Live April 28th
  - MPP, Staff, and Non-Represented Student Assistants
- Go-Live May 28th
  - Full Time and Tenure Faculty
- Go-Live June 30th
  - Part-Time Lecturers and represented student employees

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TITAN DIGITAL SIGNAGE

ROMMEL HIDALGO

CALIFORNIA STATE UNIVERSITY
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TITAN DIGITAL SIGNAGE

As part of the Division of Information Technology's Strategic goal of implementing technologies to proactively communicate with and engage the campus community, IT will commence an ongoing effort to install outdoor and indoor digital signage.

The content of the digital signage will be dynamic, pertinent to community of users of the area that the signage is installed in, and controllable by the academic and administrative units of those areas.

Note: These were the proposed locations at the time of the presentation.

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IMPLEMENTATION FOR COLLEGES

- Indoor Lobby Areas to get 65” - 75" LED Displays
  - 20 Displays (65”- 75”) in building lobbies
  - Schools and Colleges will be able to upload and control content for their units
  - 55” Interactive Wayfinding Maps in main Lobbies

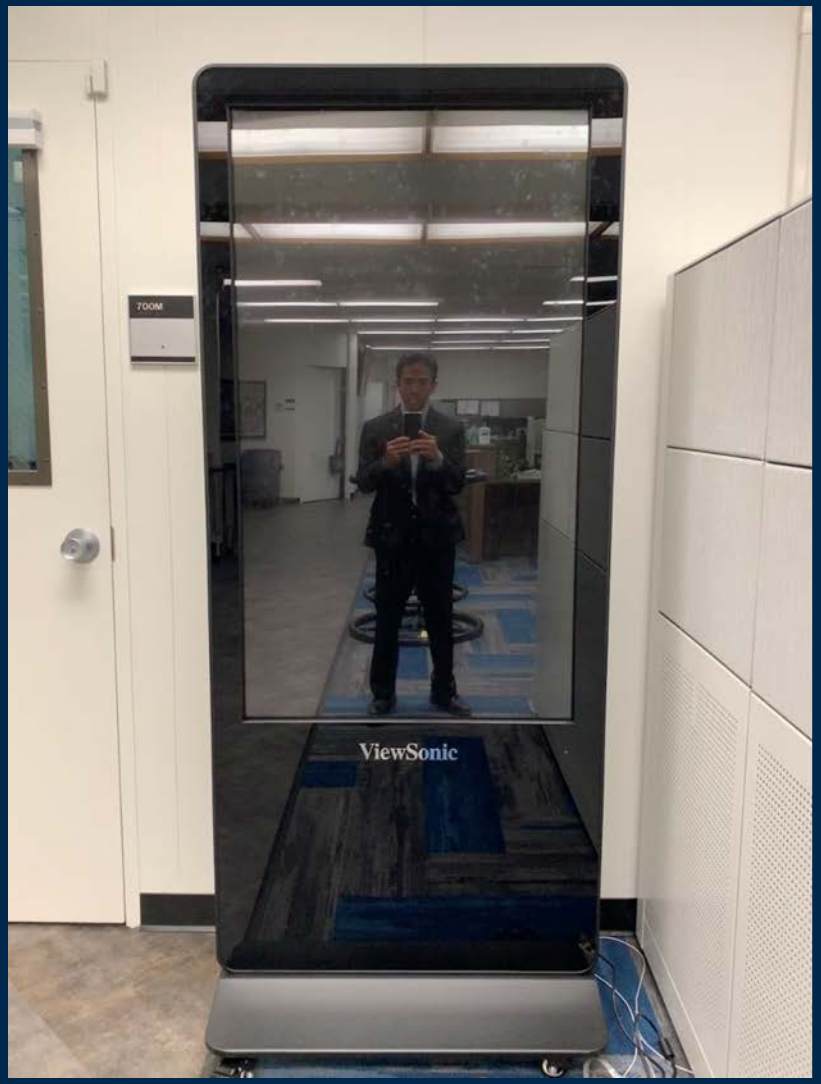
OUTDOOR LOCATIONS

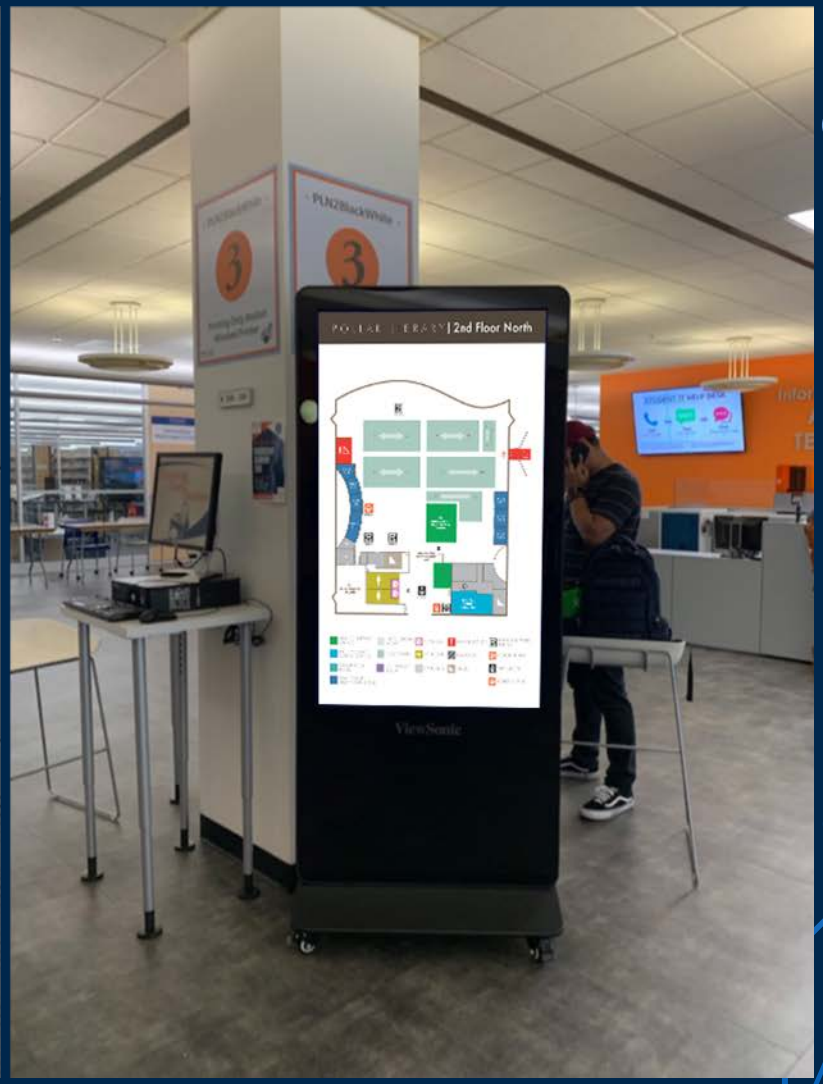
- 4-6 on new promenade and Titan Walk
  - 85” Samsung Outdoor Displays
- 3 GEO Location Interactive Touchscreen Maps
- 4 Large LED Direct View Outdoor Displays

INDOOR LOCATIONS

- We are planning for the following implementations of 65” - 75” Indoor Digital Displays
  - Two in the Lobbies of: College Park, SGMH, McCarthy Hall, Pollak Library
  - One in the Lobbies of: HSS, Langsdorf Hall, Gordon Hall, Education Classroom, Engineering, Kinesiology, Titan Gymnasium, Visual Arts, Dan Black Hall, Titan Bookstore
- For each of the above locations, an indoor interactive digital map will also be installed.

INTERACTIVE MAPS IN THE LOBBIES





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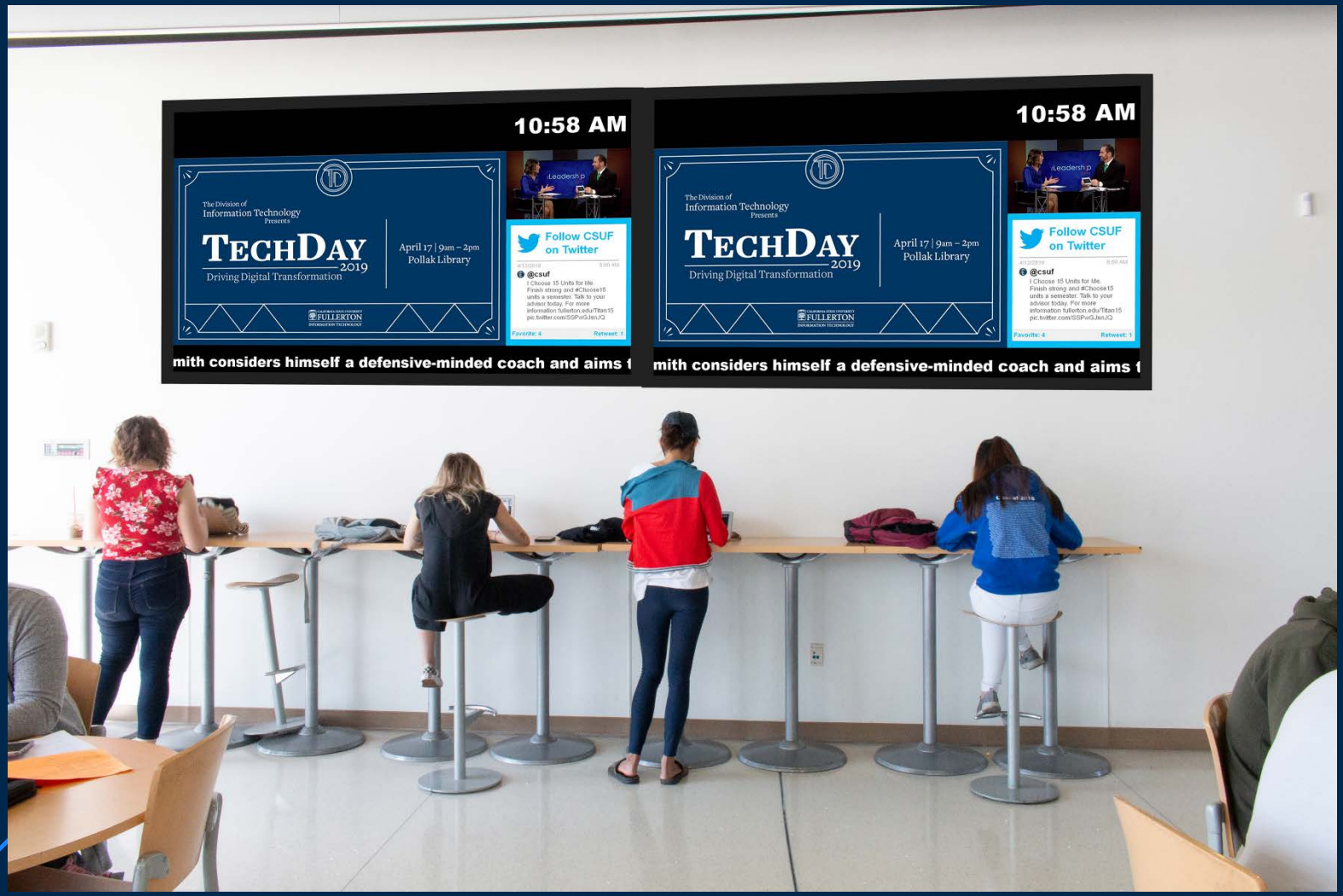
STEVEN G. MIHAYLO HALL DIGITAL SIGNAGE

This wall is on the other side of the Starbucks front entrance at SGMH.



MCCARTHY HALL

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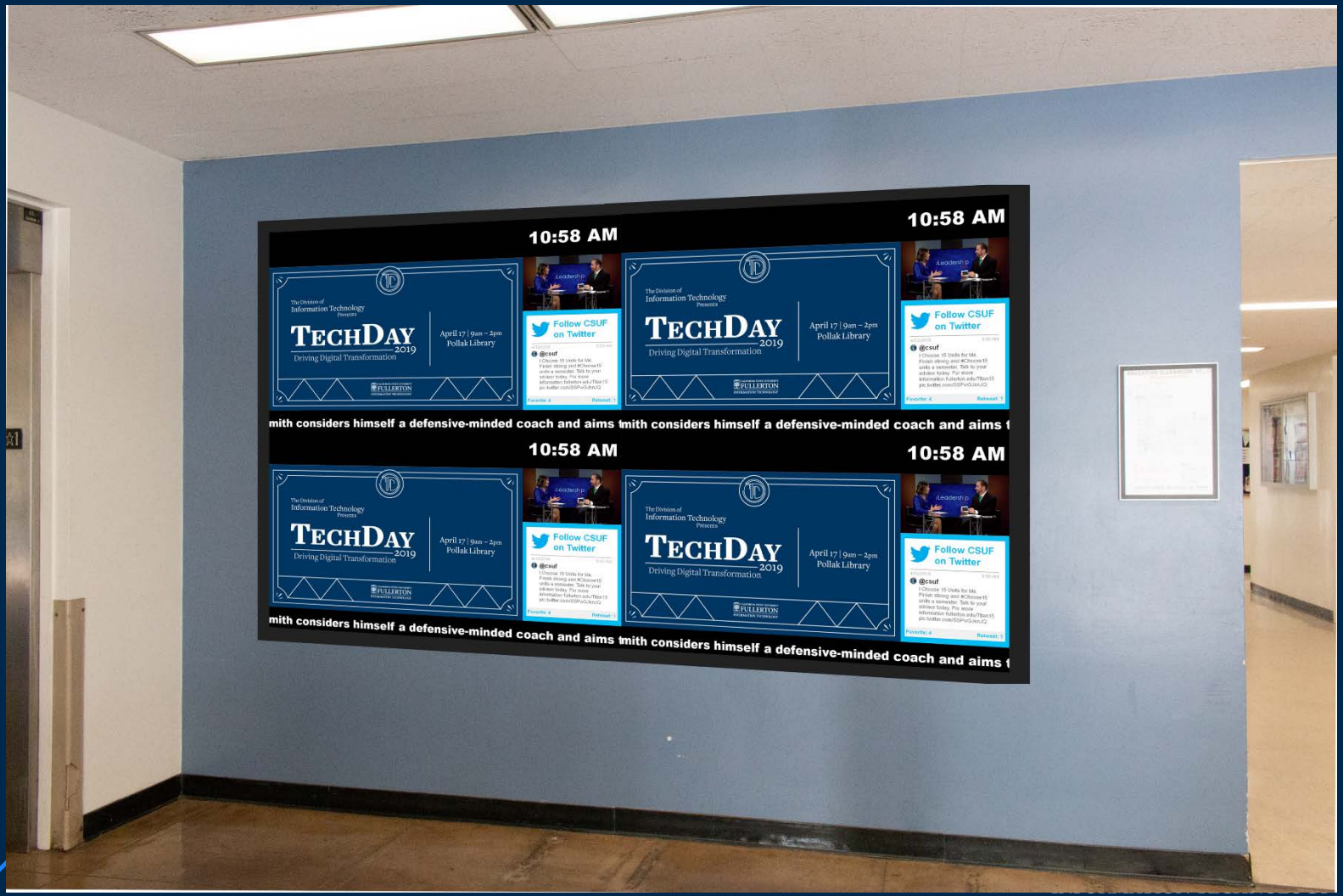
LANGSDORF HALL LOBBY

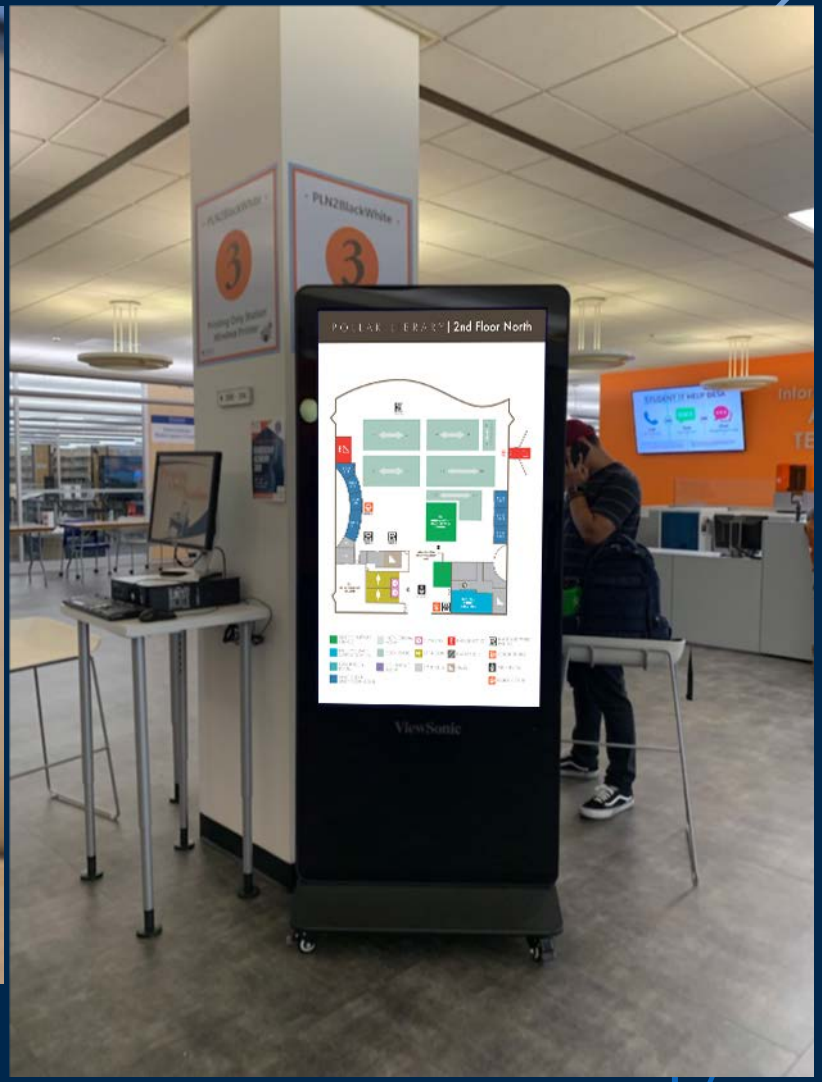
This is in front of the LH elevators.

KINESIOLOGY LOBBY

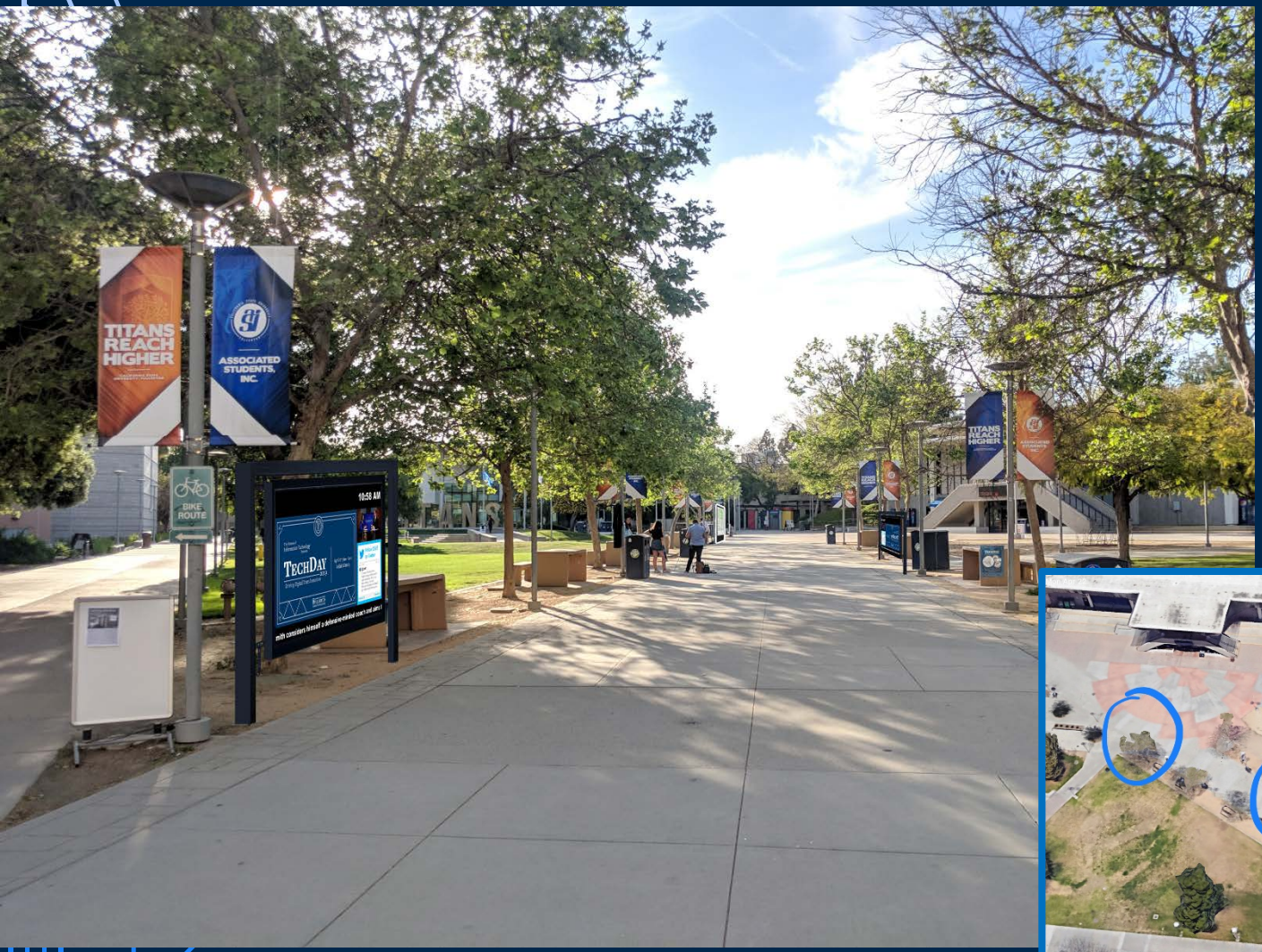
This display area is beside the Kinesiology lobby elevator.



INTERACTIVE MAPS

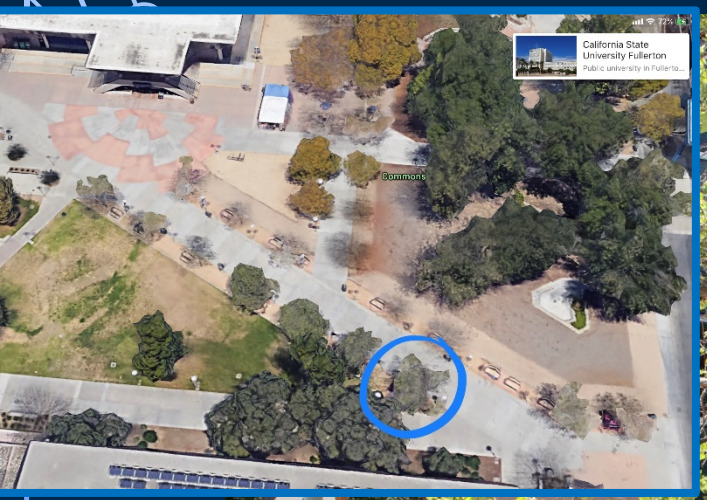


TITAN WALK SMALL OUTDOOR DIGITAL SIGNAGE



- 85” Samsung placed along Titan Walk
- Can be placed horizontally or vertically

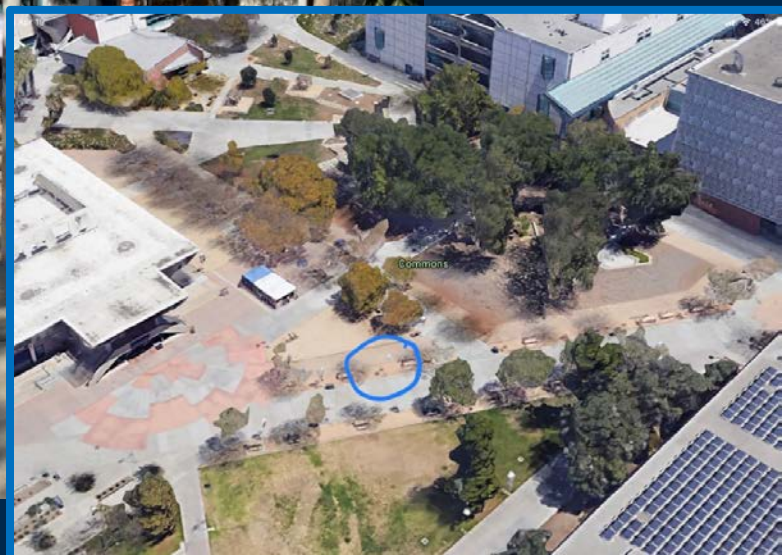
TITAN WALK SMALL OUTDOOR DIGITAL SIGNAGE



85” horizontally placed display with black metal

TITAN WALK SMALL OUTDOOR DIGITAL SIGNAGE

85” outdoor signage shown in white decorative casing



PROMENADE SMALL OUTDOOR DIGITAL SIGNAGE

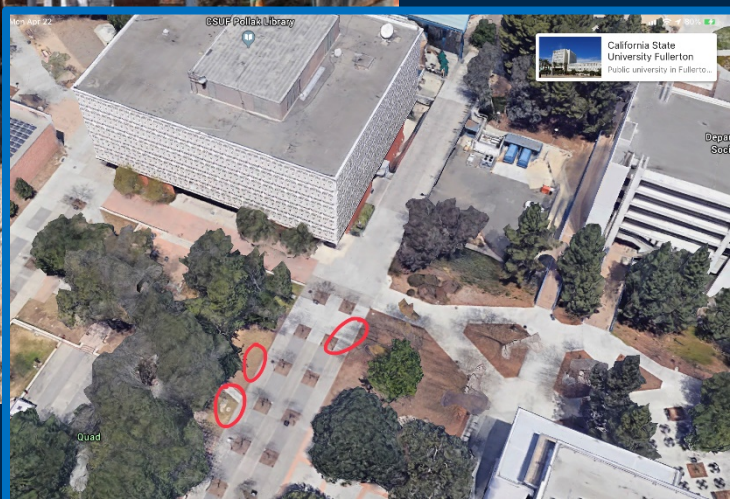
This is the artist rendering for the completed promenade.

PROMENADE SMALL OUTDOOR DIGITAL SIGNAGE

This is the artist rendering for the completed promenade.

POSSIBLE LOCATIONS FOR PROMENADE DIGITAL SIGNAGE

- Signs need to be near lighting power source
- Signs will be seamlessly aligned with the proposed design of the Promenade



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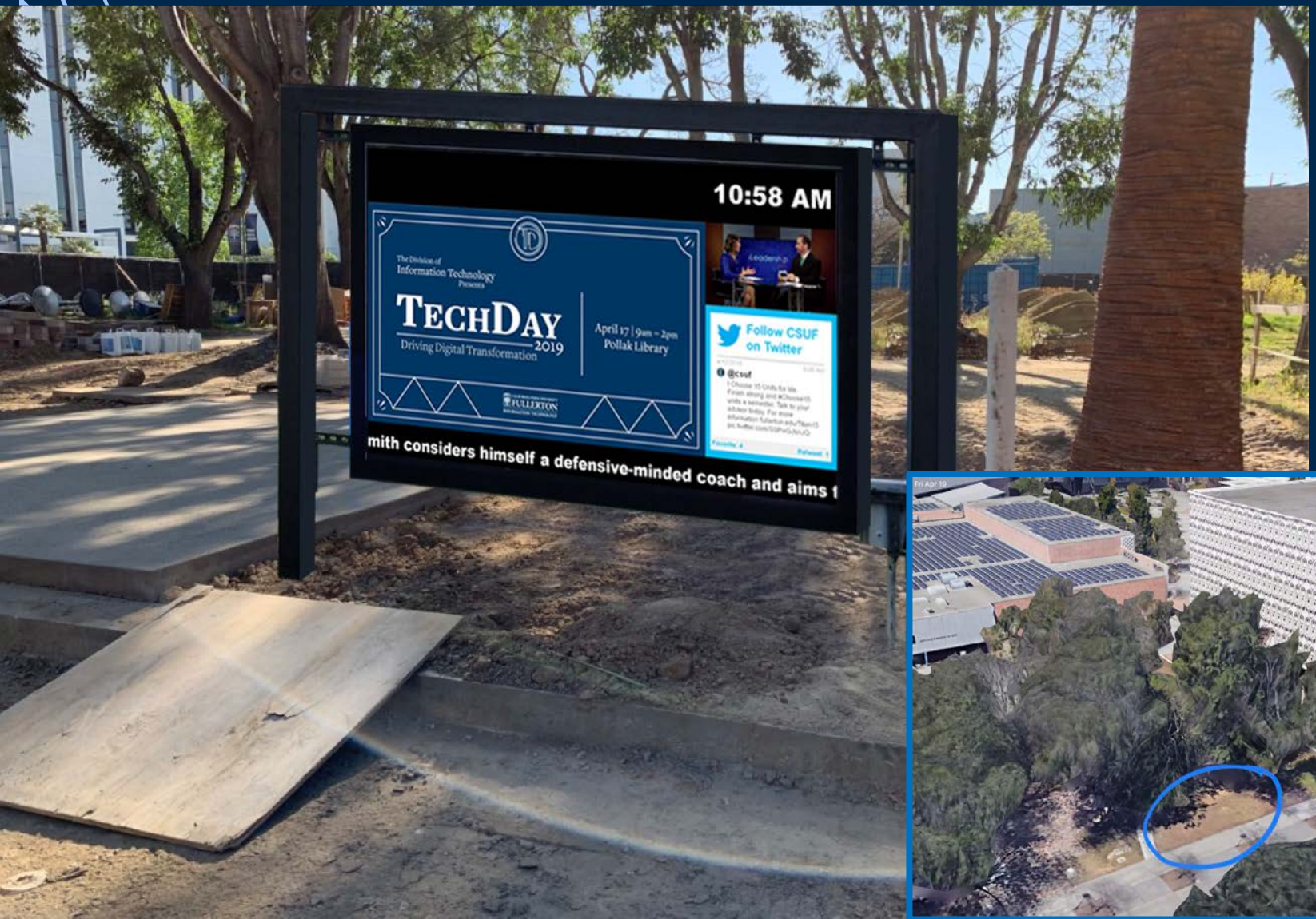
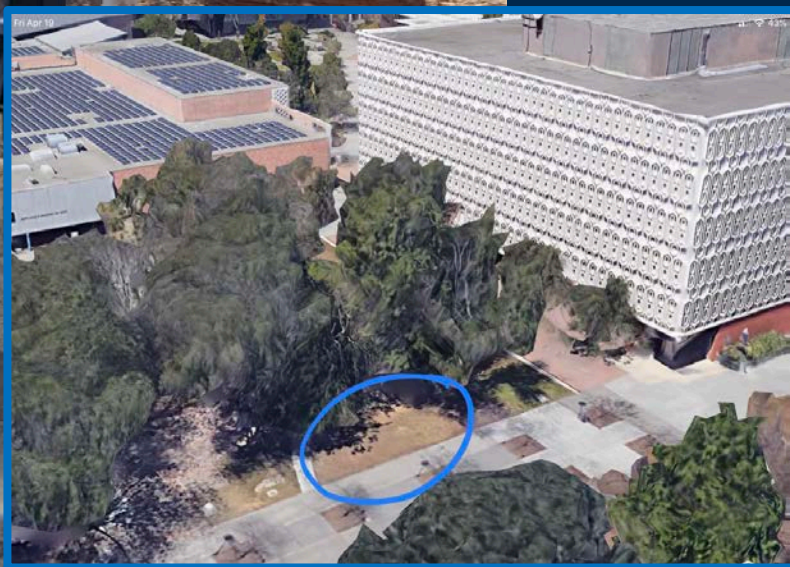
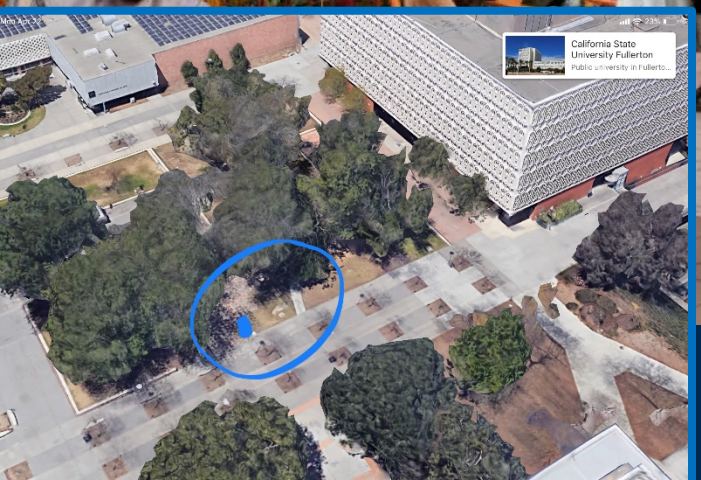




LANGSDORF HALL SIDE ENTRANCE – BEHIND TITAN GATE

PROMENADE INTERACTIVE WAYFINDING MAP

The map will be on the walkway between the Library and McCarthy Hall.



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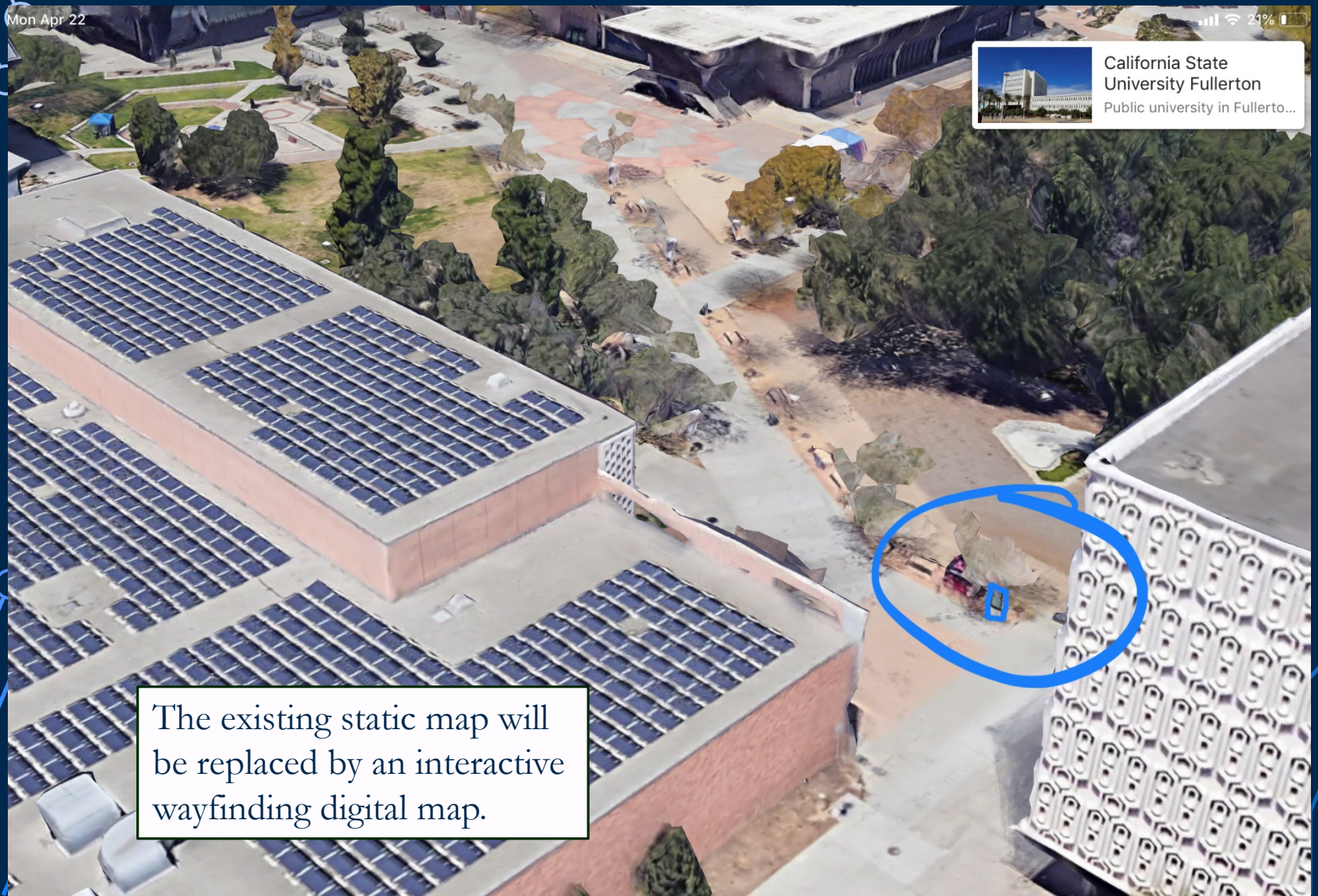
TITAN WALK INTERACTIVE WAYFINDING MAP



CAMPUS COMMUNICATIONS SCHEDULE

- Cabinet - Done
- Deans - Done
- ASI – Presentation in next 2 weeks
- Senate Exec – Presentation in next 2 weeks

IMPORTANT KEY DATES

- Week of May 1 – IT Annual Survey to Campus
- May 17-19 – Commencement
- May 25 – Disaster Recovery Site Test
- May 31 – Pulse Secure-CSUFVPNS Decommissioning
- Jun 18 – Microsoft SHA-1
- Oct 15 – Password Change Month for All Users / Extended MFA Deadline
- Dec 31 – Old VCL Decommissioned
- Jan 14 – Windows Server 2008, 2008 R2 & Win7 EOL

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SURVEY INSTRUCTIONS

- On your mobile device or laptop's browser, type http://srs.campuslabs.com or just scan the QR Code here:
- Enter your First Name, Last Name. You can use "Tuffy Titan" as your first and last name
- Enter the Connect ID (12244)
- Tap/Click on "Connect" button to join the session
- Once a question appears, answer the question and tap/click "Submit." You may have to scroll down to access "Submit" button

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QUESTIONS?

THANK YOU!

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