GARTNER’S TOP 10 Strategic Technologies Impacting HE

Innovation leadership across the ASU enterprise is aligned with the top strategic technologies impacting higher education identified by Gartner. From next-gen security & risk management partnerships and processes, to systems empowering faculty in their career journeys, to strategic use of nudge technologies across ASU’s digital campus services -- ASU is leveraging key technologies for the current and future success of our community.

1. ARTIFICIAL INTELLIGENCE STRATEGY & TACTICS
   - Benji, financial aid chatbot
   - Sunny, ASU Information chatbot
   - ALEKS mathematics placement assessment predictive model
   - Actionable analytics predictive model
   - Metaflow orchestration to enable artificial intelligence workloads
   - Dreamscape adaptive journeys
   - Cogbooks
   - Project Orchard
   - Skills mapping using Natural Language Processing

2. NEXT-GEN SECURITY & RISK MANAGEMENT
   - Crowdstrike partnership
   - Data subject request process
   - Data protection impact assessments
   - Privacy review process, and privacy checklist
   - Maturation of the centralized application inventory (CMDB) with GDPR data
   - Evaluating ServiceNow GRC and risk modules for further automation of enterprise security and data compliance

3. SMART CAMPUS
   - Smart City Cloud Innovation Center
   - Cox Connected Environments Collaboratory
   - “Blue light” smart poles on campus
   - Enterprise geographic information system platform
   - ASU Sync smart classrooms
   - Crowd intelligence proof of concept with Intel
   - ASU augmented reality scavenger hunt app
4  NUDGE TECH
Push notification content management system
ASU Enterprise Chatbot
ASU Mobile App
Slack
AdmitHub

5  DIGITAL CREDENTIALING TECHNOLOGIES
Badgr partnership
XPLOR Pilot
Digital Credential Summit
Learning Futures Collaboratory
Digital Credentialing
Learning Enterprise design work
Open Skills Network participation

6  CROSS-LIFE-CYCLE CRM
Salesforce standardization
Firecake
Learning Enterprise
Air University
EdPlus soft profile and ASU identity cloud model

7  5G/ECOSYSTEM INFRASTRUCTURE
Cox Connected Environments Collaboratory
T-Mobile partnership
Verizon Partnership
Dreamscape 5G enabled wireless ‘backpack’
CBRS/mmWave for Connecting the Unconnected Network (south Phoenix)

8  NEW DISPLAY, VISUALIZATION & COLLABORATION TECHNOLOGIES
Faculty and student-created bots and integrations in Slack
1-to-1 and group chat ability in the ASU Mobile App
Daily health check data
Dreamscape Learn
Adobe Creative Cloud/Adobe Creative Campus
Student success suite 2.0+
ASU Sync
Spark sessions
XR@ASU
VirBELA campus pilot
Virtual graduation
CAREER SOFTWARE

Career EDGE usage
Career Arcade
Handshake
Me3 Major and Career Quiz in ASU Mobile App
Digital portfolio
MyASU Career Milestones

This virtual reality experience offers immersive, hands-on exploration of careers including planetary scientist and structural engineer. A beta version of this project is currently available.

FACULTY INFORMATION SYSTEMS

Faculty Search
ASU Vita
Review, Promotion, Tenure
Faculty Activity Report
Interfolio Faculty Search