*i*FEST Industry Roundtable

DAU
Defense Acquisition University

Foundational Learning Workflow Learning Performance Learning

27 Aug 2019
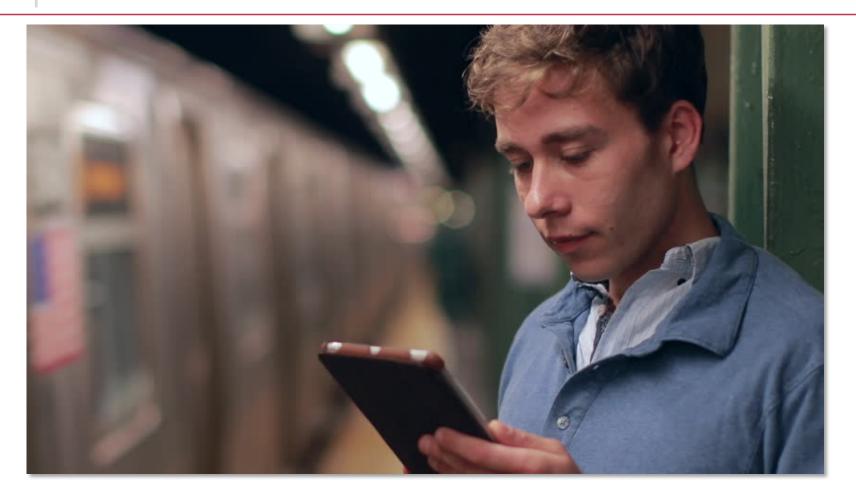
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AI-Powered Adaptive Learning Project

Today's Learners…

Demand personalized content/learning environments

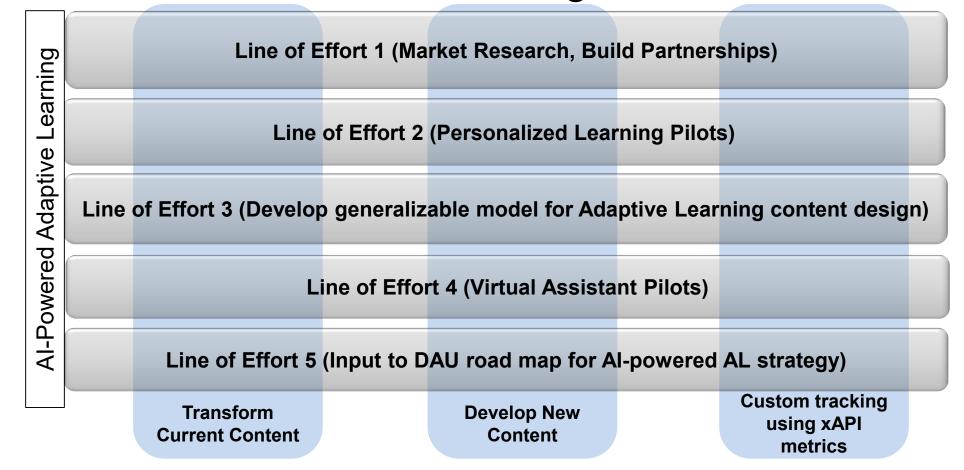# Artificial Intelligence (AI) – Powered Adaptive Learning

Responsive

Personalized

Data Driven

Lifelong Learning Partner

- Transforming traditional learning to an adaptive environment that responds…in real time…to learner needs based on performance and activity

- Accelerate learning which means less time spent training and more time spent doing

- Understand individual learner needs based on AI-Powered analytics

- Deliver learning content on any device, anytime, anywhere...at the point of need

Overarching Desired Outcome – DAU Adaptive Learning Institution

AI-Powered Adaptive Learning

Line of Effort 1 (Market Research, Build Partnerships)

Line of Effort 2 (Personalized Learning Pilots)

Line of Effort 3 (Develop generalizable model for Adaptive Learning content design)

Line of Effort 4 (Virtual Assistant Pilots)

Line of Effort 5 (Input to DAU road map for AI-powered AL strategy)

Transform Current Content

Develop New Content

Custom tracking using xAPI metrics

Overarching Deliverables:
- **AI/AL Framework for Content Development/Transformation Requirements**
- **Inform DAU Adaptive Learning Strategy**

Objectives

- Actively track individual student performance data to predict future training / performance needs
  - Discover relationships we have not thought of…..instantly
- Increase speed to knowledge mastery and retention
- Dynamic personalized learning experience
- Test out capability
- Learning delivered on any device
- Integration with Learning Management Systems
- Portable, scalable, maintainable, secure, affordable
- Compliance with accessibility requirements
- Courseware designed to best leverage AI technology
- Industry Benchmark Leader