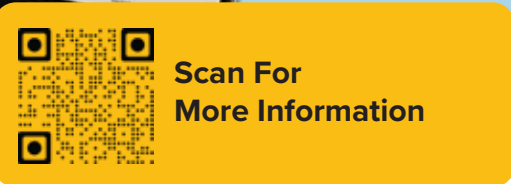


# PERSONAL ASSISTANT FOR LIFE-LONG LEARNING

LEARN, WHAT YOU NEED, WHEN YOU NEED IT!

Personal Assistant for Life-Long Learning (PAL3) is a mobile adaptive learning framework which intelligently delivers lesson recommendations based on a personalized learning roadmap.



PAL3 is a personal docent to curricula and on-line resources to help the learner achieve educational and career goals. The system features a library of curated training resources containing custom content and pre-existing tutoring systems, tutorial videos, and web pages. PAL3 helps learners navigate learning resources through:

- An embodied pedagogical agent that acts as a guide
- A persistent learning record to track what students have done, their level of mastery, and what they need to achieve
- A library of educational resources that can include customized intelligent tutoring systems, as well as traditional educational materials such as webpages and videos
- A recommendation system that suggests library resources for a student based on their learning record
- Game like mechanisms that create engagement (such as leaderboards and new capabilities that can be unlocked through persistent usage)
- Cross-domain content, ranging from electronics circuit simulations to virtual leadership mentor panels

A customizable interactive agent, "Pal" is designed specifically to engage and motivate via amusing animations and dialog with students through natural language processing (voice and text).

