Success Stories

Service oriented architecture, Fluid UI's and offline playbacks for an eLearning Framework

Learning on the go has gained traction since the great uptake of smart phones and tablets. Edtech is creating an innovation wave and growing with technology organizations support, profusely offering digital solutions to this new form of learning architecture. Edtech companies with their core objective being access content anywhere and everywhere requires learning continuity in all the devices where content is consumed by the users

Our customer wanted to build a eLearning framework harnessing all possible technical competencies in Edtech and helping schools in middle eastern countries to meet their academic goals and enhance learning capabilities in students via personalized learning programs that helps student achieve success, since most of the student's require additional support and attention besides their regular schooling because of the broader learning variation gap.

The eLearning framework comprises of multi-dimensional building blocks that makes the framework future proof and ideal and fitting for each student need,

- Pedagogical component for content, its design and outcome analysis
- Evaluation component to examine the learner and to foster meaningful learning with detailed reporting capacity
- Technology component to manage the infrastructure, offer online support and student data security
- Management component to handle access and privileges for content its subscription and distribution

Market intellect developed a personalized eLearning framework with Core Java and Angular JS, ready to support concurrent utilization via its service oriented architecture. LMS delivery provides seamless learning experience across all the devices and also offers real-time tutoring and learning experience for students and tutors respectively through its integrated virtual classroom toolset, with highly optimized streaming mechanism and flexible calendars for publishing and scheduling supplementary sessions with expert tutors. Both tutors and students were provided with whiteboard got capacity to collaborate, brainstorm and communicate ideas between student and tutors along with the recording that allows the students in offline streaming and download of sessions and other contents.

The outcome of the survey conducted by our customer in schools where its eLearning framework is deployed shows,

- 11 % increased interaction between students and teachers compared to regular classrooms sessions
- Playback feature enables slow learners to retake the lessons independently at their own pace
- Student level detailed insights to tutors offering analytics on consumption of contents and the areas the student to be trained
- Customizable goals and objectives module allow tutors to define proper individual and bulk learning goals wherever required