CASE STUDY

PRODUCT DEVELOPMENT & TESTING

THE CLIENT

An online post secondary education services company, that offers a variety of doctoral, masters and bachelors program through its subsidiary (a leading University in the US). The subsidiary university offers over 1,250 online courses and 43 academic programs with 136 specializations to over 39,000 learners.

BUSINESS NEED

The customer envisaged to develop a complete online campus solution with close integration between different modules in the system. The customer was looking at a reliable product development partner to support their Product Development, Support & Maintenance and QA operations in a sustainable model.

SOLUTION DELIVERED

The salient features of the **Automation Testing** and **Product Development services** are:

- **Performance Testing and Automation**
  - Plan and Design testing strategies for product development projects
  - Assist them with design and implementation of automated testing strategy for product development
    As an initial milestone, we automated 25% of the testing across their product line and are working to improve it to 65%
  - Write and execute test cases and scripts for the different online product requirements
- **Development**
  - New integration components to the classroom solution
  - New customizations for iGuide, mobile, course room, eBooks, eLibrary modules etc.
  - Implemented new requirements to enhance existing system components or redesign Liferay based portlets
  - Creation of new web-forms and new portlets
- **Maintenance and Support**
  - Application of service packs and system upgrades
  - Support for production issues
  - Changes to integration components with other ecosystem changes
  - Periodic configuration and compatibility updates
  - Production system tickets handling
  - Performance improvements (for page display, database optimization etc.)
  - Investigation into potential changes brought to attention by QA, online product management and Technical support

TECHNOLOGY USED

Usage	Technology
Development	JAVA/J2EE, Spring, Hibernate
Servers	Apache Tomcat, Oracle
Open Source Technology	Liferay, Go
Integration Tool	Jenkins, Web Services
UI Libray	Jquery
Testing	Jmeter, Junit

ABOUT ALTEN CALSOFT LABS

ALTEN Calsoft Labs is a next gen digital transformation, enterprise IT and product engineering services provider. The company enables clients innovate, integrate, and transform their business by leveraging disruptive technologies like mobility, big data, analytics, cloud, IoT and software-defined networking (SDN/NFV). ALTEN Calsoft Labs provides concept to market offerings for industry verticals like education, healthcare, networking & telecom, hi- tech, ISV and retail. Headquartered in Bangalore, India, the company has offices in US, Europe and Singapore. ALTEN Calsoft Labs is a part of ALTEN group, a leader in technology consulting and engineering services.

www.altencalsoftlabs.com

business@altencalsoftlabs.com

© ALTEN Calsoft Labs. All rights Reserved.