



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, courseroom, 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, technical support





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 provides digital transformation, technology consulting and engineering services comprising of IT Consulting, Enterprise IT and Product Engineering services for Industry verticals like Education, Healthcare, Networking & Telecommunications, ISV and Retail. ALTEN Calsoft Labs enables enterprises to Innovate, Integrate, and Transform their business by leveraging disruptive technologies like Cloud, Mobility, IoT, Big Data, Analytics and Software-defined Networking (SDN/NFV). Headquartered in Bangalore, India, ALTEN Calsoft Labs has offices in USA, Europe and Singapore.

ALTEN Calsoft Labs is a part of ALTEN Group, a European Leader in Technology Consulting and Engineering services. The group has over 20,000 employees located in 20 countries and revenue of €1.5 billion.

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