



Snapshot

Challenges

- Lack of end-to-end learning management solution
- Absence of a mobile platform to facilitate online learning
- No technological knowhow to build a digital library

Solution

- Distinct roles and permissions for managing students and staff
- Digital content library with comprehensive learning material
- Quick search capability
- Dashboard for users and management

Benefits

- Ensured economical delivery of learning content
- Increased reach to targeted buyer segments
- Reduced costs due to secure data storage and retrieval

Transforming the Landscape of a Learning Marketplace with a Robust Digital Library

A leading learning superstore wanted to transform their teaching experience with the help of a digital library to increase their reach to the targeted customer segment. We collaborated with the client to develop a digital library application that increased the client's visibility in the m-learning industry. Delivered at competitive prices, the solution reduced costs and improved agility.

Client Profile

As a leading learning superstore, the client serves digital content to more than eight million students since its inception and offers more than 40,000 courses for students across various backgrounds and learning platforms.

Key Challenges

Students and staff members are burdened with heaps of information to be absorbed and saved. In such a case, a digital content library comes as a blessing to the end user as well as the provider of information. In a quest to deliver course contents or test materials and questionnaires on the go, the client wanted a mobile, secure, and easy-to-use digital library that could work both in online and offline modes irrespective of the network connectivity or low bandwidth of the device.

The client also wanted to complement the current learning management system, giving users the freedom to access all the information and study material on the move anytime, anywhere, fulfilling requests based on user permissions and roles, and satisfying requirements of a specific school board. This proposal, however, had obstacles due to huge implementation costs and longer time-frame required for the implementation.

Solution

Kellton Tech partnered with the client as a strategic technology enabler to design and develop a digital library. The project was rolled out in two phases.

In the first phase, we identified potential application bottlenecks and necessary documentation support to determine the impact of requirements on design. Our team developed a prototype learning management system (LMS) with key user functionalities.

Some of the key functionalities implemented to the application in this phase were the administration of users, roles and permissions, management of class, section, and subject details, study and test material content management, learning tool to support student study material, specific content search functionality, and program structuring for the users. In the second phase, the prototype was implemented. Our team added few more functionalities such as separate roles and permission assignment for the user, managing school, student, and staff details, student and teacher dashboard, grading functionality, school administration functionality, and reports for various users in the second phase.

The application was powered by search functionality and the entire syllabus was structured based on students' needs. Kellton Tech also incorporated certain components of SMAC while developing the digital library application.

Some of the key features of the solution are:

- Seamless solution for comprehensive digital learning
- Content library compatible with mobile platform
- Role-based administration of course modules and subjects
- Dedicated module for accessing glossary of course contents
- Customization based on requirements of school management board

Business Benefits

Leveraging our domain experience and technology expertise, the client offered a native app to seamlessly deliver course material and test questionnaires to the students.

- Reduced time-to-market
- Increased client's reach to targeted customer segment
- Ensured integrity and security of data
- Reduced time to access the learning content
- Optimized costs
- Improved client's visibility in the mobile learning industry

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