

CASE STUDY

An Integrated School Learning Management System to Create Engaging Learning Experiences





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AT A GLANCE

Challenges

A leading USA-based company in the education sector partnered with InfoStride to design and build a School Learning Management System to elevate their target students' learning experience.

Benefits

- 50% reduction in development cost
- Improved learning experience
- 50% faster time to market

THE CHALLENGE

The client sought the assistance of InfoStride to build a School Learning Management System (LMS) that supports the management of multiple schools and their courses under one single, integrated, and streamlined platform.

The key challenges included during the development of the system:

- Creating an interactive dashboard to manage different roles (school admin, teachers and students) who can manage the courses according to the permissions they have assigned.
- Tracking of the logs in the dashboard
- Creating, editing and updating the courses step by step
- Tracking of the enrolled students
- Version controlling

OUR APPROACH

InfoStride led the project with a product discovery workshop wherein our team took an immersive tour into the client's product vision, with a goal to mitigate risks and save from the hassle of major product tweaks in later development stages.

- InfoStride business analysts and the technical team collaborated with the client to understand technical and business implications, and deduced a product roadmap to design, develop and test the product.
- Set up the offshore extension of the design, development, and quality assurance team in the EST & PST time zone to support the client.
- Agile project management methodology and reporting system were adopted for effective communication between the client's team in the USA and InfoStride offshore team in India, and to accelerate product delivery.



"They onboarded the right talent with the right blend of technology and domain expertise. The code delivered and QA processes laid out were of the highest quality and met all expectations of our stakeholders."

OUR SOLUTION



InfoStride's expertise in building learning management systems helped the client to launch a powerful full-fledged integrated LMS platform at an accelerated speed.

- Setup of the server and files using version controlling system – GitHub.
- Setup of the dashboard using the Laravel compatible Dashboard theme called Metronic theme.
- Leveraged the Spatie package in the Laravel ecosystem to define the roles and permission of School manager, teachers and students.
- Implemented all SEO requirements of the client.
- Responsive design as per the client's requirements.
- Implemented Laravel security best practices.
- Third-party API integration for email marketing and maps.

THE TECHNOLOGY STACK



Development Stack

- Programming Language: PHP, JavaScript
- Web Application Framework: Laravel 9.0
- Open-Source Software Library: jQuery
- HTML, CSS & Bootstrap (Using Metronic Theme)
- Database: MySQL
- DevOps
- Server Setup & Version Controlling: GitHub

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