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Where passion meets technology

Personalized Engaging Learning Experiences

Client

A major edtech client in US wanting to build a e-learning portal providing online courses for students who wish to pursue remote learning.

Challenges

- The client required an LMS platform to offer live online courses for students.
- They also wanted to develop a web application for online training management.
- The LMS application should include all the e-learning structures including student enrolments, online training, Q&A sessions, evaluation modules, assignment submissions, and a grading system.
- Legacy platform not compatible with SCORM and LTI (Learning Tools Interoperability)
- low conversation rate on the website.

Solution

- Navtech developed a web application for the client with 3 separate access modules for Admin, Instructor, and Students.
- We integrated Zoom into the platform with all its features for live online sessions.
- The admin and instructor modules include features to add, edit, or delete a course, manage questions, whiteboard, breakout rooms, polls, and attendance.
- New Partners can be added to the application who can access courses, grading systems, students, and instructors.
- The team also built a safe and secure online payment gateway.

Technologies & Platforms

BACKEND

python   django   PostgreSQL

FRONTEND

React   NEXT.js

INTEGRATIONS

INTERCOM   stripe   zoom

ZOHO CRM   turnitin   Calendly

CLOUD VENDOR

aws   amazon RDS   EC2   amazon S3

TOOLS

H5P   SCORM

Outcome

- The website's page load increased by Monthly active students joining online courses increased by 10%.
- Client successfully delivered software without interfering with the work of cross-functional teams.
- Client has full control of the entire application as there is no need for third-party integration/vendor.
- Increased scalability by 10x without additional license purchases.