

## Case Study

# Modernization of Digital Learning Platform

For an Australian EdTech company



## PROJECT OVERVIEW

Our client offers digital learning solutions for primary school students over a dedicated platform. They wanted to expand their presence across the Australia region while modernizing their web-based eLearning platform with newer features. This would simplify the learning delivery process and offer the right insights for teachers & parents.



Capability  
Enterprise  
Software



Industry  
EdTech



Country  
Australia

## KEY FEATURES

The revamped and fully responsive cloud-based e-learning platform today supports the schools to enable students with an engaging curriculum that is aligned and targeted to their individual needs.

### Active Learning

Blends exciting elements of animation & gameplay to create an interactive & immersive learning experience. This makes the learning process fun yet effective with solutions like mind mapping, decision-making & avatar-based games.

### Reporting and analytics

Detailed dashboards offer a holistic view of prioritize tasks while tracking progress as per the learning objectives. Helps teachers design learning programs to improve knowledge outcomes & enable parents to assess the ward's performance.

### Automated Alerts & Notifications

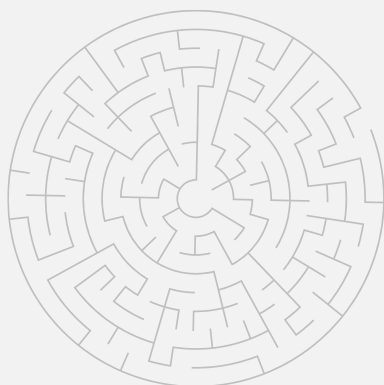
Automates varied communication ranging from sending assignments and exam calendars to assessments and real-time feedback – helping teachers & parents stay updated on student activities & schedules

### Staff management & scheduling

Helps keep essential information about teachers at hand, including their availability, leaves, timecard hours, log notes, electronic documents, assessments, payroll records, promotions, and more.

## CHALLENGES

- Limited/no scalability for data management with the legacy solution
- No proper reporting mechanism for teachers & parents on student progress
- Manual and cumbersome method of providing lessons, assignments, and exam assessments
- Limited capabilities to offer an interactive and engaging learning experience



## SOLUTION

To offer seamless cross-platform support across devices, we recommended upgrading to .NET Core from the existing MVC architecture. Being 30% faster, it enabled faster modernization of the digital e-learning platform for the four user profiles – teacher, parent, child & admin. Our team followed Onion Architecture and follow coding best practice principles (e.g. DRY, KISS) to ensure proper code maintenance in the future and avoid code duplication challenges. The upgraded online learning platform for primary school now enables digital management of all processes – from key administrative functions & communication to attendance monitoring & performance tracking.

### Intuitive features

For the defined user profiles, we enhanced the application with newer elements;

- Teacher: Lesson tracker, class management and more
- Parent: Curriculum overview, student progress reports and more
- Child: Gamified and character-centric learning with real-time assessment

### Improved UI/UX

The Angular framework helped improve the platform functionality and incorporate the role-based rules to accurately map the business and technical requirements.

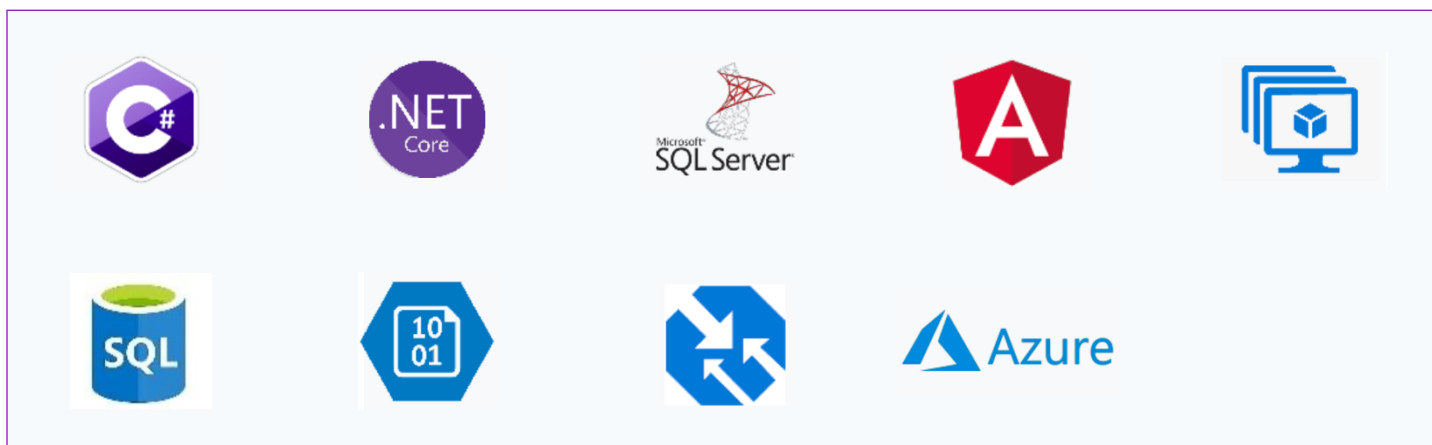
### Cloud migration

With scalability as the priority, the Rishabh team consulted the client to go with MS Azure as the cloud computing platform for data management across the connected portals. Originally developed in .Net MVC, this migration helped them better leverage Microsoft's ecosystem capabilities.

### Payment gateway integration

Utilized Stripe as the payment processing platform to automate the billing process for the web-based eLearning platform with invoicing & payment status for easy financial reporting.

## TECHNOLOGIES & TOOLS



## Outcomes

**50%**

reduction in costs compared to traditional forms of learning

**2x**

increase in new student registrations

**40%**

improvement in learning outcomes with the introduction of game-based learning

## ABOUT RISHABH SOFTWARE

As a Digital Engineering and Enterprise Transformation leader, we empower businesses to scale, innovate, and thrive in today's digital-first world through technology rooted in trust and transparency. We leverage emerging capabilities such as Cloud, Data Engineering & Analytics, AI, Automation and Application Engineering to drive digital transformation and unlock new opportunities. We have successfully served across 25+ countries, and we work towards customer delight as "WE CARE."

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