Pragmile™

Case Study:
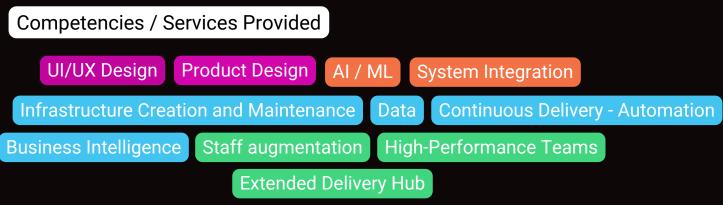## Advanced Analytics in Educational Platform

Industry: Education
Project stage: Implementation

Our Achievements

- Implemented an advanced reporting tool, enhancing user insights and managing 3TB from 1,500 databases daily
- Grew user base to 1,800 clients for basic reports and 100 for advanced reports
- Streamlined data accessibility and analysis, improving platform usability
- Utilized analytics for continuous platform improvement and targeted enhancements

Client Benefits

- Streamlined educational reporting and platform management
- Increased data analysis accuracy, reducing manual efforts
- Integrated advanced reporting tools into existing workflows for better data access
- Enabled proactive decision-making through detailed analytics

Competencies / Services Provided

UI/UX Design   Product Design   AI / ML   System Integration

Infrastructure Creation and Maintenance   Data   Continuous Delivery - Automation

Business Intelligence   Staff augmentation   High-Performance Teams

Extended Delivery Hub

Explore how Pragmile implemented these technologies to enhance itslearning's educational platform, and discover how your business can leverage similar innovations to improve operational efficiency and ROI.

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Overview:

A company called <u>itslearning</u> sought to leverage advanced analytics to revolutionize the way educational data is managed and analyzed, reducing manual data processing efforts and introducing efficient, automated solutions to enhance educational reporting and oversight, thus improving overall educational platform efficiency and effectiveness.

The Problems:

Itslearning faced several challenges in their educational platform management, including:

- Difficulty in efficiently tracking educational engagement due to manual data processing
- Slower response times and decreased accuracy in usage insight identification and stakeholder accountability
- A lack of integrated platforms for effectively managing and analyzing vast amounts of educational data
- Frequent data inconsistencies affecting the quality and reliability of educational insights

Our Solution:

- The initiative at itslearning was launched with a strategic vision to harness data science and analytics for automating the processing of educational data, aiming to transform the heavy manual process of data management.

- Driven by more than just the desire to boost operational efficiency and reduce manual labor, our goal was to establish a robust analytics framework that not only supported efficient data management but also provided deeper insights for more effective educational monitoring. This breakthrough was underscored by the tool's ability to handle 3TB of data from 1,500 databases daily, marking a new era of efficiency and strategic capability in educational management.

Path to Success:

Step 1

Data Verification and Analysis:

The project began with verifying and analyzing accessible data to ensure its accuracy and relevance, crucial for reliable reporting and insights

Step 2

Prototype Development and Integration:

The team developed and integrated a prototype of the reporting tool, followed by evaluations to confirm its usability and alignment with client requirements

Step 3

Implementation and Feedback Collection:

After incorporating the reporting tool on the educational platform, usability reports were made available to users. The team collected user feedback to assess the tool's effectiveness and gather suggestions for further improvements

Results:

In a comprehensive effort, the team developed and successfully implemented a robust advanced reporting tool within itslearning's educational platform. This tool now processes 3TB of data from 1,500 databases daily, significantly enhancing the platform's capability to deliver precise and detailed educational insights.

Conclusion:

The implementation of this advanced reporting system has greatly reduced the need for manual data handling and improved the quality and reliability of educational insights. This, in turn, has enhanced the management and oversight of educational content, paving the way for more efficient educational processes and scalability.

Key takeaways from Itslearning's journey

- Actively incorporating user feedback is crucial for optimizing functionality and user satisfaction in educational tools

- The ability to handle and analyze large volumes of data accurately is fundamental for improving educational platform performance

- Ongoing development and scaling of the reporting tool are essential to maintain relevance and effectiveness in a dynamic educational environment

What Pragmile Offers:

As Pragmile continues to push the boundaries of innovation, businesses that partner with us can expect to benefit from our deep expertise, cutting-edge technologies, and commitment to delivering tailored solutions. By leveraging high performance teams, agile methodologies, and modern technologies, Pragmile empowers organizations to build a future where ideas meet expertise, driving transformative results across industries.

- Empowering projects with our High-Performance Developer Teams.
- Harnessing the power of AI, Computer Vision, and Machine Learning to craft pioneering solutions.
- Utilizing our Infrasenses technology makes tech solutions smart, intuitive, and predictive.
- Creating robust AI-driven platforms and developing bespoke tech solutions tailored to your needs.

Contact us directly at info@pragmile.com and let's discuss how innovative technologies and processes can transform your business.

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