

# Student Analytics to Predict Dropout Risks and Improve Graduation Rates for Educational Institutions

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Saviant's Student Analytics Solution helps to intelligently manage your students' academics, predict drop out probability and define additional learning assistance models using your student data. Empower your Educational institution with our Analytics solution and facilitate intelligent initiatives & insights.

## Your Challenges

Educational institutions face a wide range of challenges, which includes improving student's academic performance and overall learning experience. As the students come from different educational backgrounds, academic strengths & weaknesses, cultural influences and significant learning patterns, you need to consider these factors to identify key performance indicators of students in order to predict their performance and improve the academic experience.

You can perform analytics on students' data, which includes performance assessment scores, attendance records and overall participation, to extract valuable insights. These insights reveal critical information about their current academic performance and help identify potential profiles who are unlikely to meet academic KPIs. This will help you determine the areas where students would require extra assistance in order to improve their performance. Hence, leveraging a student analytics solution becomes a key initiative to improve the overall success of the institution.

## Our Solution

Saviant's Student Analytics solution helps you to empower your educational institution practices with analytical capabilities and improve overall experience for your students. With this solution, you can ingest the student's data to identify his/her performance gaps. You can get a unified view of the student's KPIs such as assessment scores, attendance records and grades to identify the underperforming areas.

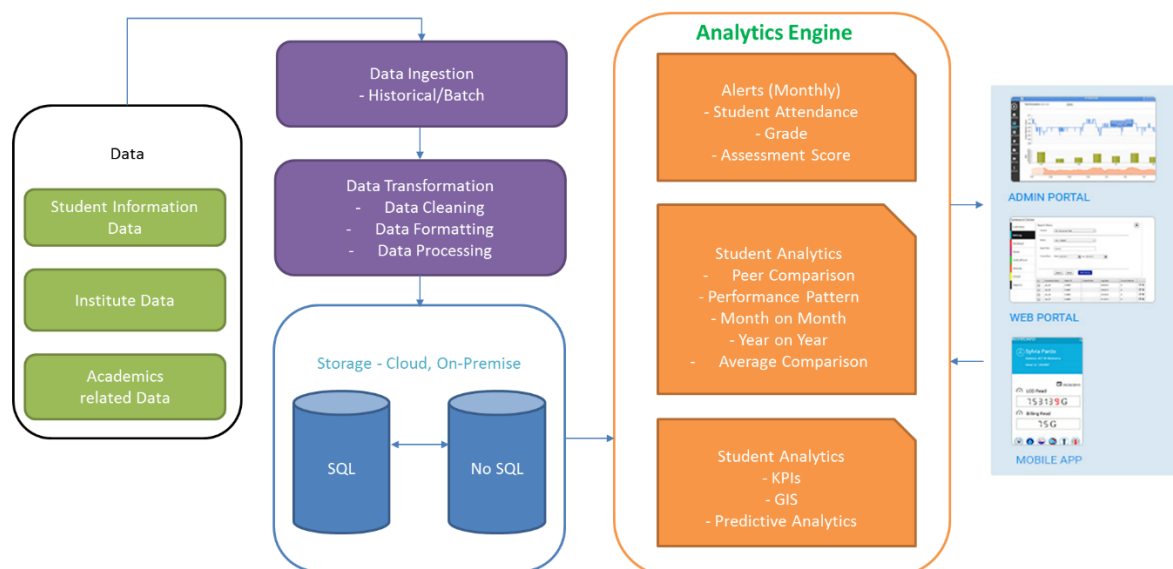
Our analytical expertise has helped create student analytics solution that can help you identify students who are likely to drop out or disengage. Thus, it enables the ability to intervene potential dropout students at an early stage in order to improve the overall graduation rate.

This solution addresses several scenarios such as academic intelligence, predictive models and advanced analytics for student performance improvement, smart campus initiatives, and insights on student attendance.

#### Solution Benefits:

- Derives alerts and notifications on most important student KPIs.
- Enables clear visibility of assessment scores, grades, attendance records and comparative analysis to identify drop out possibilities and more.
- Derives potential drop-out student profiles and their academics' strengths & weaknesses.
- Synchronizes with your existing global educational data system for advanced analytics.
- Provides critical insights on student's attendance to track their active participation across classrooms, events and extra-curricular activities.
- Saves thousands of dollars for institutions---- with this Cloud-based solution – as there's no hardware and no software installation required.
- Provides high-performance storage (less-than a second response time) and analytics of billions of data records.

## Students Analytical Solution for Educational Institutions



## Deliverables

- **Assessment Phase** - Problem statement definition, solutions statements based on input from stakeholders, as-is and to-be system overview map and proposed technology stack.
- **Proof of Value Phase** – Implement a PoC and evaluate based on your success criteria
- **MVP Phase** - MVP User Acceptance, Go-Live and Sign-off

## Our Approach

Everything we do at Saviant follows agile to the core. It starts with defining right roles in each team, to right sprint planning, to running retrospective meetings for continuously improving team's performance.

We combine our Agile approach with lean philosophy - starting with a Minimum Viable Product sprint instead of full-scale 1-year implementation plan, and ramping the project team up or down as per the sprint plan. You always receive the most important features for use, on agreed product release in-time and on-budget. Everything we do has to add value to your business, else we don't do it.

## Agenda / Timeline

- Start with a one-day workshop to understand current student data management system
- 1-2 week PoC to establish analytical system on historical student data
- 3-4 week PoC to show actual pilot analytics with high performance and optimized cost of computing on Azure data analytics platform

## Audience

- Workshop - Solution Architect, Business Analyst, Project Manager
- Proof of Concept - Project Manager, Solution Architect, Developers, Tester
- Minimum Viable Product - Project Manager, Solution Architect, Business Analyst, Technology Lead, Developers, Tester

## About Us

Saviant is a Gold Cloud Platform and Gold Data Analytics Partner for Microsoft. We have pioneered innovative solutions leveraging Cloud, Mobility, Analytics and IoT to help Enterprises transform and modernize their business. Our customers range from large enterprises, SMBs and start-ups across Energy and Utilities, Construction and Engineering, Transportation and Logistics and Field Mobility. We work with these industries to define their technology road map and implementation strategy using multi-tenant SaaS applications, Native Mobile Apps, Big Data Analytics, IoT solutions and Azure PaaS Development.

## To Learn More

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