systematiX
Digital X'perience Partner

50+ High School's KPIs
on a dashboard

Summarizing Situation

The client is US-based, one of the leading high schools having 50+ schools across the US. They have been using Zoho subscription, Zoho CRM, Zero accounting, and LMS systems to manage and get all the details about school's functioning.

The client was getting islands of information from these different systems. When it comes to drawing KPIs or taking any decision, they have to access multiple systems, exporting files from there and then working with the multiple exported files to draw insights to evaluate KPIs and make any decision.
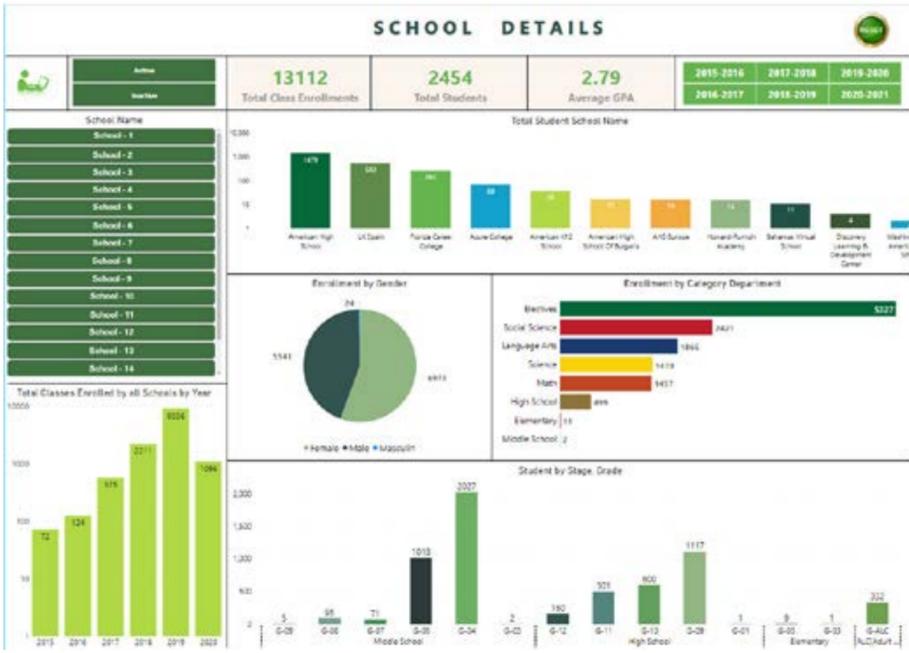
Impact on the Business

Information is scattered and dependency on multiple software, because of this the school management was having a huge dependency on people working with these systems on day to day basis. As a result:

- For getting insight to take the evidence-based decision, the school staff had to export multiple files from a different system, collate and create information with those files. The problem was that despite all this, all datapoints important for a decision were not visible in one single view and they were unable to compare factors in real-time

- No visibility on how schools, courses, teachers, students are performing

- Starting new campus, withdraw course from the school, hiring teacher and staff decisions are gut-based and requirement-based not data-driven based

Resolution

The requirement was to have a dashboard to know everything about all the schools. Systematix Infotech involved their Open Source expert in utilizing the data to draw meaningful insight for quick and easy decision making. After understanding the existing systems, experts created a bridge that ensures the connectivity of all the systems 24/7. Experts had developed custom APIs and used a few existing systems' APIs, shared by the client, to gather and prepare the required data for generating graphs. They have used the Laravel framework for the project, and with the integration of Google graphs, C3 and D3 charts created desired views in the form of various reports, analyses, and KPIs.

These reports and analysis include students record by school, Performance of School by courses, students and other parameters, number of courses offered by the school and enrolled students for the specific course, Class schedules, Teacher and student attendance, Students fees status, Students grade book, Course content and student, active and inactive students, contact records, and many more:

SCHOOL DETAILS

| 13112 Total Class Enrollments | 2454 Total Students | 2.79 Average GPA |

| 2015-2016 | 2017-2018 | 2019-2020 |
| 2016-2017 | 2018-2019 | 2020-2021 |

School Name: School - 1, School - 2, School - 3, School - 4, School - 5, School - 6, School - 7, School - 8, School - 9, School - 10, School - 11, School - 12, School - 13, School - 14

Total Student School Name

Enrollment by Gender — Female, Male, Masculin

Enrollment by Category Department — Electives, Social Science, Language Arts, Science, Math, High School, Elementary, Middle School

Total Classes Enrolled by all Schools by Year

Student by Stage, Grade

STUDENT DETAILS

| 13112 Enrollment | 2454 Students | 2.79 Average GPA |

| 2015-2016 | 2017-2018 | 2019-2020 |
| 2016-2017 | 2018-2019 | 2020-2021 |

Students Details

Student Name	Course Department	Course Name	Grade

Students not login LMS since last 7 days

Students Failing Courses

STUDENT INDIVIDUAL

Gradebook

| Bran493 Student ID | Gender | High School or Middle | 2015-2016 Academic Year |

Percent Completion — 88.58%

Academic Year: 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020

Assignment and Attempt by Course Department — Total Assignment, Total Attempt

| 2.79 Average GPA |
| 81.88 Average Score |
| 58.58K Total Assessment |

Assessment and Attempt by Course Department — Total Assessment, Total Attempt

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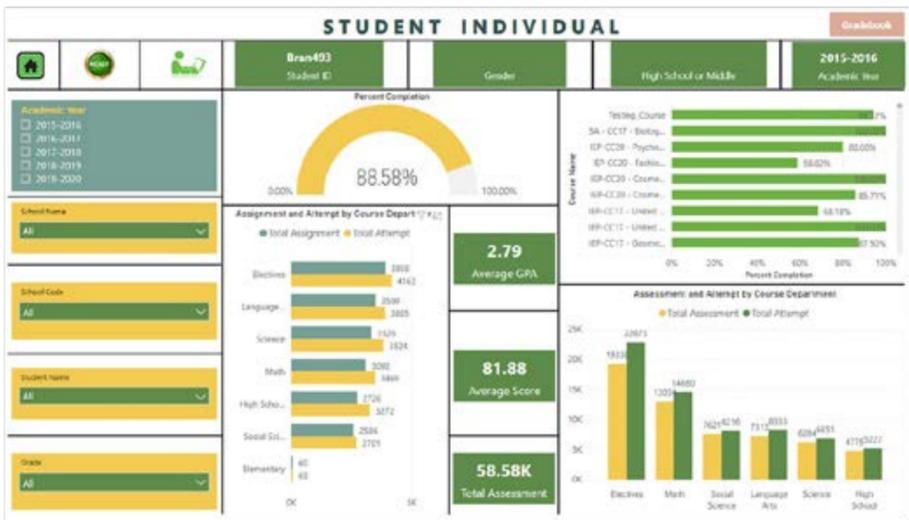
Teacher Details

| Total Courses 380 | Total Students 2059 | Total Duration (In Hrs) 185333:55:48 | Teacher Name (Blank) |

Teacher Attendance

Start Date	Login Time	Logout Time	Duration

Student Grades — Average Score / Course Name

COURSE ASSIGNMENT

| 2.79 Average GPA |

2014	2016	2017	2020
2012	2015	2018
2013	2016	2019

Assignment	Course Name	Marks Obtained	Total Marks	Letter Grade	Revised Marks	Percentage

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Course Department

| 13K Total Number of Students Enrolled |
| 1021 Total Number of Failing Students |
| 641 Total Number of Courses |

Course Department	Course Name	School Code	Student Name	Percentage

Top 10 Enrollment Students

Top 10 Worst Students

Impact of Resolution

360-degree visibility to the client to know each and everything about schools in a single click, anytime, anywhere. There is no staff deputed by the school management to analyze the data, post solution deployment. Other impacts are as below:

• 100% automated KPIs and reports

• 79% YOY growth in revenue through contextual and location-based marketing strategies

• Evidence-based decision making

About Us

Incorporated in 2005, Systematix is a global IT services and solutions company, transforming industries with the digital solution across web, mobile, IoT, RPA and data science. With a talented and experienced team of 250+, technology expertise and CMMI Level 3 appraised processes, we are a trusted technology partner of many leading ISV, Automotive, Manufacturing, Engineering and OEM companies.

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