



CASE STUDY

# Adachi Gakuen speeds student temperature data reporting by 83%

Microsoft Power Platform application allows faculty to focus on teaching

Adachi Gakuen is an all-boys school in Kitasenju, Tokyo that provides integrated junior and senior high school education. It is the only certified Microsoft Showcase School at the junior or senior high school level in Japan. Because it had used [Microsoft Teams](#) for hybrid classes since 2019, Adachi Gakuen promptly shifted to online classes during the COVID-19 pandemic, while other schools suspended educational activities.

The school calls its mission “aspiration-sharing education.” Students and teachers are united to work hard and learn together to achieve their goals. The teachers proactively continue learning and approximately 30 of them are Microsoft Certified Education Innovators.

## Business Situation

### Aspiring to improve school operations through the power of IT

Upon their return to the building from online classes, Adachi Gakuen asked its 1,500 students to fill out and submit a [Microsoft Forms](#) questionnaire with their temperature readings every morning before arriving at school. The deputy head of the school aggregated and exported the data to a Microsoft Excel spreadsheet and shared it with teachers so they could confirm their students were free of fever.

This process required time and effort from the deputy head and the teachers to obtain the data and open multiple Excel sheets to ensure that all students’ temperature data was collected and below the specified threshold. The daily workload was extensive.

In promoting the use of IT tools to provide students with a better learning environment and experience, Adachi Gakuen faculty and staff strove to improve the efficiency of their work. They began assessing the feasibility of an application for checking and managing student temperature data.

## Solution

### An application for checking and managing student temperature data

Naoki Sugiyama, head of information education, technology and home economics education and a Microsoft Certified Education Innovator, knew that [Microsoft Power Platform](#) could improve efficiency but did not know how to use it for developing an application.

“I knew that by using Power Platform we could improve work efficiency for our teachers. I was fascinated with the tool but couldn’t use it on my own.”

#### Naoki Sugiyama

Head of Information Education, Technology and Home Economics Education and a Microsoft Certified Education Innovator

Mr. Sugiyama approached Avanade about using Microsoft Power Apps and Power Automate. We led Adachi Gakuen in development workshops for business application building and business process automation. Once a week, we held a regular online workshop to create an app that would help mitigate the spread of COVID-19.

Avanade was inspired by the teachers’ eagerness to develop a tool to improve work efficiency. Serving as a trusted adviser, we taught them to create apps in Power Platform by themselves.

Adachi Gakuen didn’t want to increase the manual effort for those involved in the infection control practice. “If the existing workflow was changed significantly, there would have been additional workload, and it would have confused the students,” says Mr. Sugiyama.

So, the faculty and Avanade built a temperature data application easy for anyone to use, regardless of skill set. Students use Forms every morning, and their data is transferred to Power Apps via Power Automate to be displayed in a list format.

## Results

### Data review time decreased from 60 to 10 minutes

Three months after the start of the workshops, the beta version of the application launched, enhanced by feedback from teachers, and the app went live a few months later. Teachers appreciate the application and the improved efficiency it delivers. It's easy to use and, to their delight, workload has been reduced significantly.

"With previous processes, it took about one hour for the teachers to check the data every day. Now it takes only about 10 minutes," says Mr. Sugiyama.

"Without the support of Avanade, we could never have achieved this," he adds. "I thought I had some knowledge about application development, but when I actually tried to build it by myself, there were a lot of things I did not know and could not figure out on my own. If I had tried to design and build the application all by myself, it would have taken at least two years."

Mr. Sugiyama says this is not the only benefit of Avanade's assistance. With the development of this application, teachers have become more interested in Power Apps and Power Automate.

"I believe if other teachers are able to use Power Platform, we can improve work efficiencies in many areas to make the school more exciting. It will not just benefit the teachers but will have a ripple effect in many areas," Mr. Sugiyama explains.

"What we value most as teachers is the time we spend with students. Rather than spending time on administrative work, including management of student attendance or extra classes or paperwork for training or business trips, we would like to secure as much time as possible for the students."

Teacher workloads have been an issue for many years, but with the spread of COVID-19, academic institutions have been forced to transform.

"We want to make the learning environment better for students, but are often too busy to do that. With the support of Avanade, we were finally able to turn our aspirations into reality."

#### Naoki Sugiyama

Head of Information Education, Technology and Home Economics Education and a Microsoft Certified Education Innovator

## About Adachi Gakuen School

Adachi Gakuen Junior and Senior High School was founded in 1929 in Adachi-ku, Tokyo. It is an all-boys school with about 1,500 students. Certified as the only "Microsoft Showcase School" in Japan at the junior and senior high school level, it currently has about 30 teachers certified as "Microsoft Certified Education Innovators" and is actively working on the introduction of Microsoft IT. Learn more at <https://www.adachigakuen-jh.ed.jp/>

### About Avanade

Avanade is the leading provider of innovative digital and cloud services, business solutions and design-led experiences on the Microsoft ecosystem. With 39,000 professionals in 25 countries, we are the power behind the Accenture Microsoft Business Group, helping companies to engage customers, empower employees, optimize operations and transform products, leveraging the Microsoft platform. Majority owned by Accenture, Avanade was founded in 2000 by Accenture LLP and Microsoft Corporation. Learn more at: [www.avanade.com](http://www.avanade.com)

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