Empower Technology-Enhanced Education in industrial program

Robust technology foundation is built with an ASUS solution, to cultivate digital savvy students for the future of work.

Organization needs

The Industrial Engineering department of Rajamangala University of Technology Thanyaburi had the goal of improving the curriculum in the calculation and simulations courses, to make them more modern. Practical computer application experience is now a part of almost every subject area, providing a solid foundation for robust computer labs.

Industry : Education
Country : Thailand

Rajamangala University of Technology Thanyaburi

Organization results

· Employ modern computers that support new and advanced engineering software programs

· Enable 1000+ students to learn using the latest technologies

· Slim desktop footprint to save desk space in labs

Solution

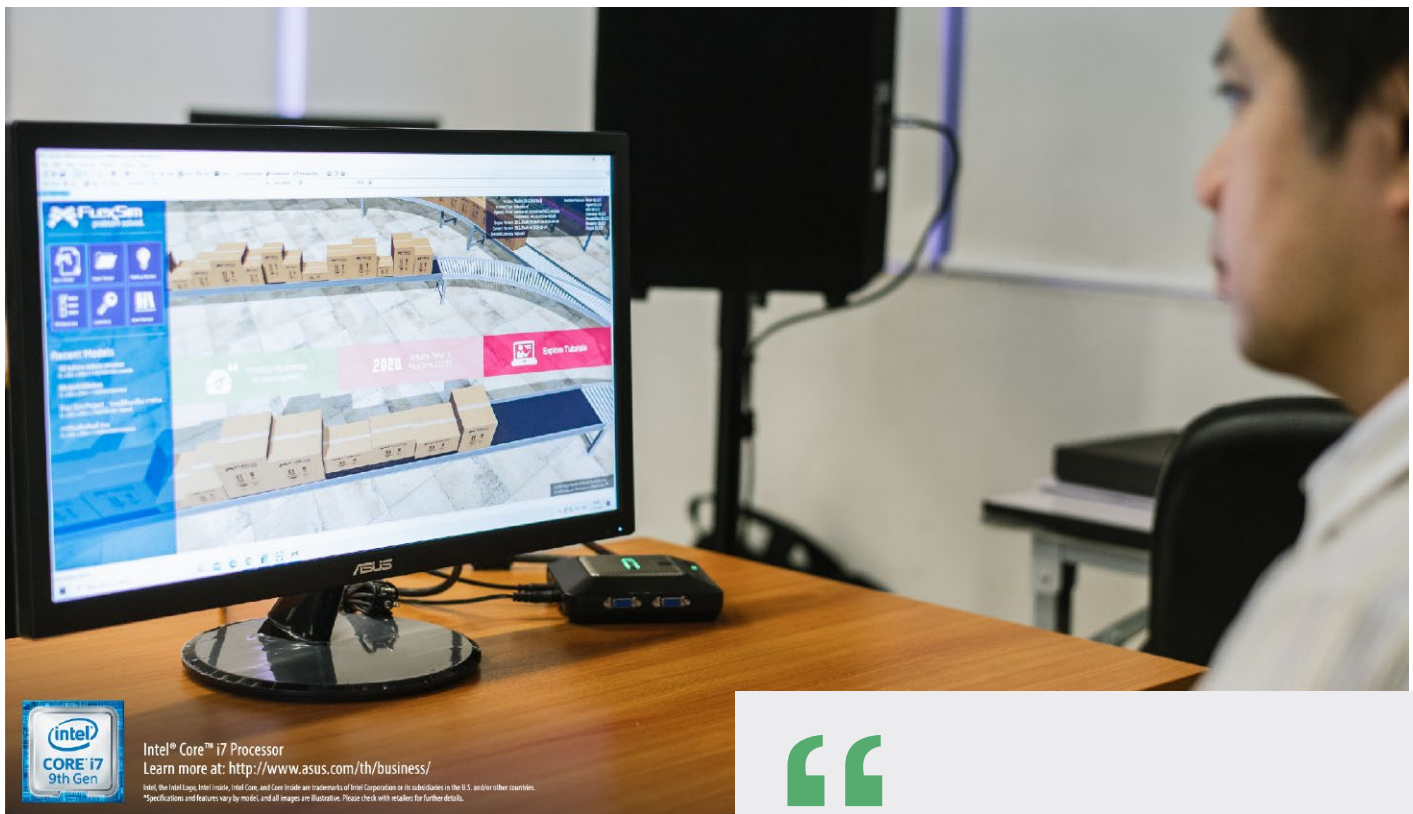· ExpertCenter D641SC

· ASUS ExpertCenter Series

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We chose ASUS as our hardware product solution provider because of confidence and trust in the brand."

- Mr. Chalermsak Thavornwat,
  Lecturer, Department of Industrial Engineering

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One of the essentials of education is to train students to take action before graduating and entering the world of work. This is true especially in fields that require a lot of specialized knowledge combined with technological expertise.

As a university that produces a lot of graduates from the Industrial Engineering program, Rajamangala University of Technology Thanyaburi understands that one essential tool that is indispensable to all students is a high-performance computer.

Develop engineering skills with the use of robust software programs

The Engineering department of Rajamangala University of Technology Thanyaburi separates teaching and learning fields into two branches: Automation Production System Engineering and Industrial and Logistics Engineering. Students in the APS branch must learn about automation systems, including robotics, etc. Meanwhile students in the IEL branch focus on management within the factory and industrial business, including production planning, cost finding, plant planning, and logistics-handling systems for efficiency.

"In this area of teaching, a variety of software applications are required," says Chalermsak Thavornwat, Lecturer in the

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Department of Industrial Engineering. "Students have to learn how to perform calculations and simulations using these systems, so we focus on teaching the professional use of robust engineering software, which requires much higher specifications than computers that run standard software programs."

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  Lecturer, Department of Industrial Engineering

Accomplishing a technology-enhanced computer lab

The Industrial Engineering department worked to improve the curriculum in the academic year of 2020, to make it more modern. Practical computer application experience is now a part of almost every subject area, and a computer lab is also available.

ASUS ExpertCenter D641SC is the computer of choice for the Department of Industrial Engineering, Rajamangala University of Technology, Thanyaburi.

Powered by an Intel® Core i7-9700 processor with fast DDR4 memory, ASUS ExpertCenter D641SC can load apps and open files faster for smoother multitasking. Plus, NVIDIA graphics cards optimize graphics simulations.

"As we researched computer solutions, device size and budget were major considerations, " Thavornwat explained. "To optimize desk space, we sought a compact device that would keep space free for other uses. The ASUS ExpertCenter D641SC was ideal in this respect, and it also worked with our budget."

"In part, too," Thavornwat added, "we chose ASUS as our hardware product solution provider because of confidence and trust in the brand."

The spirit of ASUS ExpertCenter series is to cater to diverse scenarios in different organizations. A wide range of specifications and chassis sizes are offered to meet various needs in different environments whether it's a computer lab, data center, or STEAM classroom setting. Offering excellent security and manageability, each ExpertCenter desktop is also engineered to be flexible for future expansions.

Educators are working hard to get students ready to be competitive in the modern workplace, and ASUS is helping them find the way forward by providing the technology needed to create the future of education.

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