

Cyber-physical learning proposed by Tec de Monterrey and SUTD



This partnership between [Tec de Monterrey](#) and [Singapore University of Technology and Design \(SUTD\)](#) aims to design spaces for **cyber-physical learning** and evaluating its **potential within education**.

The Tec will strengthen its ties with **SUTD** through the [Institute for the Future of Education](#), exchanging practices and conducting experiments involving **students and instructors at both universities**.

This union will enable the evaluation of educational aspects such as the **design of technology-enabled learning experiences**, **translational pedagogical innovation**, **learning analytics**, and **personalized learning**.

“Collaboration is the key to move ahead with resolving today’s educational challenges and designing the future of education,” said [Juan Pablo Murra](#), Rector for Higher Education at the Tec, who participated in the **signing of the agreement** with SUTD via **holographic projection**.

<https://twitter.com/jpmurra/status/1587232347254054914?s=20&t=VMJXJMFElIMvNKwtrrnE6w>

For Professor [Phoon Kok Kwang](#), Provost of the Singapore University of Technology and Design, both the Tec and SUTD share a common vision of **cyber-physical learning**.

*“We have similar interests and a shared understanding of the opportunities for **applying human-centric technology** and design to pedagogical practice,”* he said.

Cyber-physical learning

Cyber-physical learning refers to a form of learning that involves **students and instructors/teachers who are present** in one classroom or laboratory at an educational institution, together with **other students or teachers** participating **virtually** from remote locations off-campus.

This learning path requires the **development of new teaching methods** to facilitate interactions and ensure a meaningful educational experience for both in-person and virtual students.

The challenges for in-person and virtual students that come with this type of educational innovation are **assimilating learning, establishing authentic connections,** and **engaging effectively.**



/> width="900" loading="lazy"> The Tec-SUTD collaboration for the next 3 years

At the in-person signing of the agreement at SUTD on October 27, it was reported that the research activities set out in the agreement are scheduled to **start in the first quarter of 2023.**

This collaborative research partnership forms part of the [SUTD campusX](#) initiative, which aims to address student and faculty needs and experiences through **data analysis and learning sciences**

“Conducting experiments together that **test innovative educational models which transcend borders** will be key to developing effective cyber-physical learning environments,” emphasized [Michael Fung](#), Executive Director of the Tec’s **Institute for the Future of Education**.

“This collaborative project with the SUTD campusX initiative will increase **learning opportunities for worldwide higher education audiences**, capitalizing on the cultural exchange between Singaporean and Mexican students and faculty, and developing best practices with an international perspective,” he said.



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