Tec and University of Denmark team up for research

Developing **research and innovation projects** jointly and opening participation to professors, undergraduate and postgraduate students is the result of the agreement between **Tec de Monterrey** and the **Technical University of Denmark** (DTU).

The agreement was signed by **David Garza**, Rector and Executive President of the Tec, and **Anders Bjarklev**, President of DTU, in a ceremony held at the Tec's Mexico City campus.

*"When I first became rector, I said that I wanted to promote the three "I"s: **Investigation, innovation and internationalization**. The signing of this agreement embodies all of them. It's an honor to collaborate with such a prestigious institution as DTU,"* said Garza.

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Bjarklev, President of DTU, said that **Tec de Monterrey's philosophy** is consistent with the institution he represents.

*"I see specific areas of technology which our **students can benefit from in the future**.*

*"DTU can get a lot of **knowledge from the Tec,** and we hope to give the same in order to promote our countries,"* he said.

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Collaboration and fund-raising as objectives

José Manuel Páez, Vice-Rector for Internationalization at the Tec, explained what the **collaboration between the Tec and the DTU is about**.

*"It strengthens the relationship we already had for **undergraduate students' international experiences,** raising them up to teaching level to **work on joint projects,"** said Páez.

The Vice-Rector for Internationalization highlighted the fact that the agreement will allow Tec professors to work with high-level professors.

*"We are talking about **international research.** It's very important; these are agreements that we only make with certain types of universities,"* he said.

Another important aspect of this partnership is a **unique and joint fundraising strategy** to support researchers from both educational institutions.

This strategy will help research work related to **engineering**, **science,** and **health** to move forward, said the Vice-Rector.

The Tec and DTU: a relationship with history

The **Tec** and the **Technical University of Denmark** have **collaborated for 15 years** with regard to **student exchange**. From just 2018 to now, more than **40 DTU students** have attended the Tec, while more than **80 students have attended the Danish institution**.

Also in 2018, they began activities during student stays to carry out **research in science and engineering**.

The projects that have already been worked on include those related to sustainable applied **biotechnology**, **nanosensors** and devices, **bioprocesses** and synthetic biology, **sustainable energy**, biotechnology and **biomedicine**, and **civil engineering**.

DTU is ranked among the top 50 universities in Europe according to the **QS World University Ranking.**

It was also in 2018 when the **Vice-Rector for Internationalization** made a commitment to the relationship with DTU by choosing this university as one of its representative offices abroad, which allows it to keep Nordic countries on the radar.

Paéz emphasized that this office will continue to strengthen and collaborate in the initiatives coming from this new strategic stage of collaboration.

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Tec student projects presented

José Carlos Miranda, Dean of the School of Engineering and Sciences in the Tec's Mexico City Region, shared his impressions about the visit from **Anders Bjarkler**, the DTU president.

*"I think the visit was very useful since we had the opportunity to present different **research projects** carried out by professors with undergraduate and graduate students to the president of DTU.*

*"He saw many similarities between the **research work** we do with what is done at DTU; this motivates us because it's one of the most prestigious research universities in Europe and this demonstrates the Tec's level of research,"* said Miranda.

Engineering students, as well as students from the **School of Architecture, Art, and Design,** presented some of the projects they have been working on.

These included the **smart electric car** developed by graduates, the presentation of **Nao robots**, and the robot called **'Robocov'**, which can perform specific tasks such as disinfection, detection of the use of face masks, etc.

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