

# Tec and University of Texas at El Paso collaborate on research



Thanks to the bi-national partnership between **Tec de Monterrey's Ciudad Juárez campus** and the **University of Texas at El Paso (UTEP)**, students from the **School of Engineering and Sciences** are conducting a collaborative project that will represent the union and solidarity between inhabitants of the border community.

Following a visit by **UTEP's** national dean to the **Ciudad Juarez** campus, an opportunity emerged for collaboration between the two institutions in a research project to be conducted in **El Paso, Texas**.

The project aims to apply knowledge and develop new tools focused on additive manufacturing for second-semester undergraduate students from the **Ciudad Juarez** campus and **UTEP**.

Students selected before the beginning of the 2024 winter stay conducted a knowledge exchange with **UTEP** for a 3D molding and part design project.

On this occasion, a 7-week summer stay was held to research additive manufacturing, following the dynamics of bi-national collaboration.

The project aims to design a 3D bell with the ideal acoustics and fabrication shape.



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*“Research was conducted for the design of the bell that will be part of a memorial in El Paso Texas to show the solidarity between both cities on the border of Mexico and the United States,”* said Diego Morales, a second-semester Mechatronics Engineering student at the Ciudad Juarez campus.

Sylvia Holguín, also a second-semester **Mechatronics Engineering** student, shared her experience of being on this project along with the UTEP master’s students.

*“It’s a very good experience and I’ve learned a lot; it’s also nice to meet people from other countries and learn about their research and work.*

*I learned how to use the simulators, which was the biggest challenge for all of us, and I also acquired computer design skills. I could apply the concepts in practice and reaffirm the importance of team collaboration”.*

***“It’s a very good experience and I’ve learned a lot,” said Sylvia Holguín.***

Finally, Irving Meza, Director of the School of Engineering and Sciences, shares his thoughts on this partnership:

*“We’re working to formalize the collaboration between the two institutions through an agreement. This step will open up more possibilities for collaboration, not only between students but also professors.”*

Speaking about what this experience has meant to him, he says, *“I feel great joy in watching our students have the opportunity to be exposed to these learning experiences in the first semesters of their professional lives.”*

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