

American Society of Civil Engineers: Advancement of Competition Teams

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Introduction

As the Competition Manager for the American Society of Civil Engineers, my goal was to provide the competition teams with sufficient financial and motivational support to complete their individual projects. The projects included building a concrete canoe, design a house out of timber, create a water filter, and more. These projects were to be presented at the Pacific Southwest Conference (PSWC), where the teams compete with other universities in the region. While this event did not take place because of the event of the national pandemic, students still learned valuable lessons through the construction and preparation process. Through the assistance of KEEN funding, the exploration of curiosity, making connections, and creating value were met with great results.



Curiosity

Returning students are faced with new challenges every year, raising curiosity with problem solving techniques.

Examples include:

- New contaminants introduced in water to be filtered out. Students must think of a different way to construct the water filter than the previous years.
- New layout for Transportation Team. While this team works to design roadways, the selected road is different every year, allowing students to become curious about the best solution for designing a new layout.

Connections

Professors:

While students practice and construct their projects, they reach out to professors to get assistance with their projects. Through this, students have made connections that have lasted years, and have acquired reliable sources to learn technical information and applicable techniques.

Industry:

As a gathered organization, officers reach out to engineers in the industry to have them give presentations to the general members about the work they do.

Civil Engineering Students Across the Globe:

During PSWC, students are encouraged to network with students from other schools to discuss ideas and attempt to gather information that can potentially benefit and improve our ASU Chapter.

Creating Value

Through the networking environment of the organization and the involvement of technical projects, students gain a valuable experience that helps them further their education and careers.

Real World Applications:

Students gain a taste of the real world by applying their current skills to engineering projects.

Networking in Industry:

Attending general meetings to listen to the industry representatives make a positive impact on the career advancement of the students. Because of the industry presentations at the general meetings, students who are involved in ASCE are often hired by the companies invited to come speak.