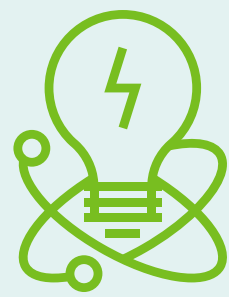


Community College Innovation Challenge 2022

About CCIC



The Community College Innovation Challenge (CCIC) is a national competition where community college student teams, working with a supportive faculty or administrator mentor, use science, technology, engineering, and mathematics (STEM) to innovate solutions to real-world problems; participate in a Virtual Innovation Boot Camp; and compete for cash awards.

Our Timeline



The team submitted their initial entry, on March 30, 2022.

If they make the Top 10 in the nation, they will be headed to Washinton D.C. to compete in June.

Student Innovation



Columbus Kinesthetics's mission is to innovate STEM education by providing an immersive way for students to learn technical skills through the use of augmented and virtual reality. Powered by corporate and higher education partnerships, our product connects schools with local industry CAD files and systems, to provide students a realistic job preview and technical understanding that furthers education and helps populate workforce development pipelines locally and across the nation.

Meet Our Team



Ben Fisher

Mechanical Engineering Technology, A.A.S
Modern Manufacturing Work-Study

Adina Beaufort

Associate of Science, A.S
Biomedical Engineering Track

Bryce Byington

Info-Tech Support Technician, A.A.S
IT Flexible Apprenticeship

Team Name: Columbus Kinesthetics

Team Advisors



Kaylor Ramey
Supervisor
Office of Talent Strategy

David Cofer
Director
Partnership & Programs

Written Submission

Columbus Kinesthetics Written Submission

Summary Statement

Columbus Kinesthetics's mission is to innovate STEM education by providing an immersive way for students to learn technical skills through the use of augmented and virtual reality. Powered by corporate and higher education partnerships, our product connects schools with local industry CAD files and systems, to provide students a realistic job preview and technical understanding that furthers education and helps populate workforce development pipelines locally and across the nation.

Problem

We believe that a modernized, high-quality education is essential for the growth of society, and the individual growth of the people. However, the current educational system has not kept pace with the growth of society, and the individual growth of the people. We have brought about new educational technologies like virtual reality, augmented reality, and 3D printing services for remote learning. However, the core methods of teaching have remained very traditional. Memorization, textbooks, and standardized methods of teaching students.

Our goal at Columbus Kinesthetics is to provide personal institutions to provide their students with quality, individualized learning experiences that equips them for the local workforce. The cost of education continues to rise, which we believe to be an important factor behind the societal gap. Now more than ever, community colleges are the front door to the workforce.

Moreover, the current style of teaching unfairly supports auditory and visual learners compared to kinesthetic learners. We have created a platform that supports students from all different backgrounds and preferred learning styles. It takes their two-dimensional textbook and creates an immersive three or even four-dimensional learning experience.

With labor shortages at an ultimate high, providing experiential learning opportunities for students in STEM fields is critical to job preparation. Our product removes the need for schools to purchase trainers and equipment that eventually become outdated and creates immersive

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