1) **Purpose and Instructional Need (include goals and objectives)**

**Project Title:** The Use of HoloLens2 in Teaching about Diversity

**Project Description:** Microsoft HoloLens 2 is a mixed reality smart glass that offers the immersive mixed reality experience for the users. It provides users with digital hologram-like images onto the real world with real-time eye tracking and see-through holographic lenses. Also, Microsoft offers HoloLens apps to design diverse avatars. To complete this group project, students will need to design a diverse avatar to narrate multicultural stories discussed in class.

- Who is the avatar? (gender, age, ethnicity, facial characteristics, accent)
- What are the specific features of the avatar? (the dress code, body language, different range of emotions, any significant traits).
- What is the rational for choosing this avatar?
- Is the avatar an insider or outsider to the story?

**Project Objectives:** This project has been designed to empower students to connect a possible diverse digital world to their actual physical world, design successful lessons with the use of technology. Educators will experience and learn to employ the power of cutting-edge technology to make the content of their teaching more interesting, accessible and comprehensible. Through this group project, students will become more knowledgeable of modern educational technologies. Also, they will learn to recognize the opportunities for designing diverse and inclusive lesson plans with the use of technology.

2) **Identify how project will impact and benefit student learning include % affected and number affected.**

HoloLens Project - Impacts: Every semester, the use of HoloLens technology will impact 50 students enrolled in two sections of LITED 3121 - Children’s Literature for Diversity and Social Justice (25 students in each section).

- Students learn how to use effective instructional strategies that promote their deeper understanding of content, critical thinking, effective communication and problem solving
- Students explore how to contribute an inclusive learning environment that promotes learning for all diverse students, including for students with special needs
- Students learn about cutting-edge technology and how to use emerging technology to include opportunities for all diverse learners. Also, they learn how to make innovative practical interventions that can increase motivation and engagement in different content for their future students.

3) **Describe how project aligns Educator Preparation Conceptual Framework and/or your department/division program goals.**

2020-21 COE Student Technology Fund Application
The project will align with these COE goals:

**GOAL 1:** Lead the state and nation by developing highly effective professionals prepared to educate, serve, and lead future generations.

**GOAL 2:** Faculty will distinguish themselves by engaging in creative and intellectually rigorous teaching, scholarship, and service.

**GOAL 3:** Create, maintain, and enhance a culture that is characterized by a proactive commitment to diversity, collegiality, and mutual respect.

4) **Describe your plan to assess the impact of the technology project on student learning.**

The students’ use of diversity app experienced through HoloLens will be evaluated for levels of design, immersion and interactivity. The amount of time the participants spend experiencing the stories and the equivalency of immersion into the story will be evaluated. The ethnicity of the primary character and how close the avatar design is to the character will also be assessed.

5) **Support Needed:**

   a. Who will install technology and provide technical support for project?
   I will need IT support team for the setup

   b. Where will resources be installed?
   Building Schindler Room # 107 F

   c. Does this room have the necessary data & electrical infrastructure required for your resources?
   N.A.

   d. Does this proposal include funds to add the necessary infrastructure if not present?
   No
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2006 COE Student Technology Vendor Form

Forms without hard copy quotes will be returned to you.