

Check here that you understand and agree that, if your application is accepted, any materials, images, videos and information you include on your Engineering Virtual Expo project page will be made available to the public as part of the event. This includes the names and images/videos of your team members.

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☒ Understand and agree

Check here that you understand and agree that, if your application is accepted, you will need to create a secure Zoom chat room link (instructions will be provided) for June 4, 8:30-11:30 a.m. PDT, and that at least two members of your team (or you and an OSU student or faculty/staff member you recruit), will need to be in the chat room to interact with event guests during that time.

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☒ Understand and agree

Check here that you understand and agree that, if your application is accepted, you and your team members will need to attend an Expo presenter orientation and that your participation in the event is contingent on all team members attending orientation.

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☒ Understand and agree

School/program affiliation

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☐ BEE

☐ CBEE

☐ CCE

☒ EECS

☐ MIME

☐ NSE

☐ Multidisciplinary (list disciplines):

Name of faculty contact for your project (advisor, capstone instructor, etc.):

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Kirsten Winters

Faculty contact's email address:

kirsten.winters@oregonstate.edu

Undergraduate project or graduate project:

- ☒ Undergraduate
- ☐ Graduate

Is this a capstone project?

- ☒ Yes
- ☐ No

Brief project description (500 characters or less):

This project is partnered with Dr. Joseph Louis affiliated with the Civil Engineering Department of OSU and was focused on creating a handheld AR Device. The original scope required capturing a video using a Raspberry Pi camera module and then using OpenCV to detect ArUco markers within the video. The device will then be able to display an image on top of the frame depending on where the marker is using homography, with the frame being the real world and the projected image being created.

Characters remaining: 7

If there are any other projects with which your project should be grouped during the live event (i.e., multi-team collaborative efforts), please list the titles of the other projects here:

If you have any questions, concerns, or requests please list them here:

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