Please provide the following information to be shared with on capstone information exchange platform:

1. **Project number**: 35

2. **Project title (as will appear on the poster)**: Augmented Reality Assisted Cooking using Microsoft HoloLens

3. **Team members**: Alessandro Orsini, Glen Huang, Grisam Shah, Glen Huang, Niral Shah, Gautam Venkatesan

4. **Adviser(s) name(s)**: Kristin Dana

5. **Up to 10 keywords that will help to classify the project**: Augmented Reality, Computer-Vision, Deep-Learning, Software engineering, Neural Networks, Machine Learning, Holograms, Unity Development,

6. **Project abstract (up to 200 words) to be shared with judges**:

   Our project introduces a novel application that combines augmented reality and computer vision to teach users how to cook. The application is run on a Microsoft HoloLens, an augmented reality headset that can display holograms in the user’s field of view. Initially, the application, using a neural network for image recognition, detects food items in the user’s kitchen and suggests potential recipes based off those ingredients. After the user selects a recipe, the application will begin displaying instructions. Each recipe has a linear set of instructions and each instruction is supplemented by animated holograms. The holograms demonstrate to the user how to cook in the real world, allowing them to easily follow along. The user navigates through the instructions of a recipe using voice commands while cooking their ideal meal.