# ME336 Collaborative Robot Learning

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# Agenda

#### Week 07, DAY, DATE

- Project2: Picking Robot with Vision
  - Project2 Introduction
  - Hands-on Lab



# Project2 Introduction

#### Scene

- Robot arm: Aubo, UR, Franka
- Hand: suction cup
- Camerea: Realsense 430
- Picking items: each group choose their own items to be picked



## Hands-on Lab

### Pipeplie of Building A Picking Robot with Vision

- 1. (Completed) ROS communication with robot arm, gripper, and camera
- 2. (Completed) Image processing: locate the picking items in the image
- 3. (To be Completed) Hand-eye calibration
- 4. (To be Completed) Write a python script to move the arm and pick the items with Moveit.
- 5. Codes: <a href="https://github.com/ancorasir/BionicDL-CobotLearning-Project2.git">https://github.com/ancorasir/BionicDL-CobotLearning-Project2.git</a>

