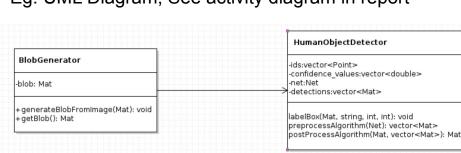## Overview / Objective

(what): Provide Acme Robotics a module. Specifically, a human tracking system using a monocular camera, will be provided. In the system, the human identified with a rectangular box.

(why): To prevent Acme's technologies from falling behind

(where): In UMD/ online

Approach

(how): Using camera/pretrained model, team online meetings, online repositories, parallel software changes.

(what):Object Oriented Programming (C++)

Eg. technology, assumptions: OpenCV, YOLO, COCO - 2017 dataset, Github

Specific / New Approach

(how):Capture, pre-processing, post-processing, append bounding box and display outcome.

(what):Agile Iterative Process

Eg. UML Diagram, See activity diagram in report

Management / Timeline

(when): Oct 7th to Oct 26th 2022

(what): Phase 0 (due Oct 12), Phase (due Oct 19), Phase (due Oct 26), 3 group members, consistent updates, iteration meeting/release.

Eg. Multiple Backlogs (Product, Iterative I, Iterative II and Worklog).