Instructor: Aditya Balu
Co-Instructors:
  i. Adarsh Krishnamurthy
  ii. Soumik Sarkar
  iii. Cody Fleming

Time: TR 2:10-3:25PM
Location: 2228 Howe Hall
Prerequisites: ENGR 160 or Equivalent, MATH 267, Python

Projects:
- **Sensing**: Programming of physical systems: Additive Manufacturing
- **Sensing + Communication**: Object-detection and tracking using multiple cameras
- **Sensing + Communication + control**: ROS-based Path Planning using turtlebots.

Project Based Course; Course Description: Fundamental principles of cyber-physical systems and their system-level applications at an introductory level; computer programming of physical systems; data communication; control loops; More information on cyber-physical systems can be found at CPS Minor website.

Note: Knowledge of Python may be demonstrated by having taken course using Python at ISU or elsewhere, including other CPS courses ME 280X, CPR E 287X, or independent learning.