**Project 2**

# Due: 10/25/23

# Team Member Names:

*Instructions:*

1. Fill in your name and attach this page as a cover sheet for your report.
2. This is a group project. Work with your group as assigned in the “ECE4510-F23 - Project Groups” document. List the contribution from each team member to this report, on the following page. Submit a single report for the group.
3. Attach all supporting material with the report.
4. Type / handwrite and sign the following honor pledge:  
   "I pledge on my honor that I have not given or received any unauthorized assistance on this assignment."

*Honor Pledge:*

*Signature*

**Grading Information:**

|  |  |
| --- | --- |
| Task 1: MATLAB Image Analysis (40 Points)  a) Blob detection and boundary plotting (10 Points)  b) Find the different object types (20 Points)  c) Find the brightest washer in the image (10 Points) |  |
| Task 2: Edge Detection in OpenCV (30 Points) |  |
| Task 3: Keypoint Detection and Matching in OpenCV (30 Points)  Extra credit (25 Points) |  |
| *Total* | **/ 100 Points** |

**Team member contributions to the report:**

**Team member 1 name:**

*Contribution:*

**Team member 2 name:**

*Contribution:*

**Team member 3 name:**

*Contribution:*

**Team member 4 name:**

*Contribution:*