# CSCE 473/873: Computer Vision

# Fall 2022

CSCE 473/873: Computer Vision  
Fall 2023

## Final Project December 12, 2023

**Documentation of Contributions**

Please use this form to document the contributions of each team member to the group effort. You may either sign electronically or sign and scan it. In either case, you must submit this document along with all other elements of the project.

Furthermore, you confirm that the work submitted is entirely your own and that you understand the consequences of plagiarism as specified in the Course Syllabus and [UNL CSE Academic Integrity Policy](http://cse.unl.edu/academic-integrity-policy).

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| --- | --- | --- | --- |
| **Name** | **Contribution %** | **Contributions** | **Signature & Date** |
| **Mohamed Abbas** | **33.3%** | **Traditional Method for Circle Detection using Hough Transform and make sure that all the cell are detected my coloring the detected cells in the first round in black and then rerun the program again and detect only the white cell so, all the cell will get detected+ preparing the dataset (convert 6 images into around 16000 images)** | **Mohamed Abbas**  **12/10/2023** |
| **Norhan** | **33.3** | **Spatial Properties of the detected cells things like radius (size of each cell), Location (Clustering and distribution), and distance** | **Mohamed Abbas**  **12/10/2023** |
| **Kyrollos** | **33.3** | **Training the machine learning model that we use. Data Augmentation. Detect cells from any given image using ML and CNN.** | **Mohamed Abbas**  **12/10/2023** |
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In addition, please enter the information about the group meetings you had for your project.

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| --- | --- | --- | --- |
| **Meeting Date** | **Meeting Time** | **Duration** | **Attendees** |
| **10/5/2023** | **From 8 PM**  **To 10 PM** | **2 Hours** | **Mohamed**  **Norhan**  **Kyrollos** |
| **10/14/2023** | **From 9 PM**  **To 11 PM** | **2 Hours** | **Mohamed**  **Norhan**  **Kyrollos** |
| **10/29/2023** | **From 2 PM**  **To 3 PM** | **1 Hour** | **Mohamed**  **Norhan**  **Kyrollos** |
| **11/12/2023** | **From 10 PM**  **To 12 PM** | **2 Hours** | **Mohamed**  **Norhan**  **Kyrollos** |
| **11/28/2023** | **From 8 PM**  **To 10 PM** | **2 Hours** | **Mohamed**  **Norhan**  **Kyrollos** |
| **12/3/2023** | **From 8 PM**  **To 11 PM** | **3 Hours** | **Mohamed**  **Norhan**  **Kyrollos** |
| **12/10/2023** | **From 10 PM**  **To 1 AM** | **3 Hours** | **Mohamed**  **Norhan**  **Kyrollos** |