

# CAE Research Project Meeting Minutes

Thursday December 23, 2021

- Participants
  - o Dr. Waleed Farag (PI)
  - o Dr. Soundararajan Ezekiel (Co-PI)
  - o Dr. Xinwen Wu
  - o Zaryn Good
  - o Franklin May
  - o Alicia Deak
- Meeting started at 11:00am.
- Unanimously approved minutes for meeting on December 16, 2021
- Main Points
  - o Discussed:
    - Maria
      - Need to remove the NaN values to run through SVM
      - Organize OneDrive folder to contain any links (in a wordpad) of sites referenced. If possible, include the papers referenced
    - Alicia
      - Create the scatter plot function for SVM
      - Copy codes from titan to removeable drive
    - Zaryn
      - Figure out why the current dataset is running 1,000 images/hr instead of 20,000/hr.
      - Continue running the IoT23 dataset
    - Franklin
      - Send the graphs with a short description for each graph to Dr. Farag
      - Update the report on the one drive
    - Ryan
      - Run the multiclass through SVM.
      - Compare the results with the papers
  - o Tasks:
    - Maria
      - Need to remove the NaN values to run through SVM
      - Organize OneDrive folder to contain any links (in a wordpad) of sites referenced. If possible, include the papers referenced
    - Alicia
      - Copy codes from titan to removeable drive
      - Use the temp files from IoT23 and create a smaller distribution for the DCNN
    - Zaryn
      - Run the smaller subset of the IoT23 dataset.
    - Franklin

- Work with Zaryn on the DCNN report.
  - Alicia, Zaryn, Franklin will meet to discuss DCNN and the code
- Ryan
  - Compare the datasets through various SVM kernels and in a file.
  - See Franklins for an example.
- Adjournment at 11:50am.
- Next meeting will be held on Thursday January 6, 2022 11:00am.