

Thursday January 6, 2022

< Participants

Dr. Waleed Farag (PI)
Dr. Soundararajan Ezekiel (Co-PI)
Zaryn Good
Franklin May
Ryan Gess
Alicia Deak

< Meeting started at 11:00am.

< Unanimously approved minutes for meeting on December 23, 2021

< Main Points

Discussed:

ALL

- < Titan freezing up when accessing through team viewer
 - o Dr. Ezekiel will ask Nate to fix
- < Wrapping up the data collection and analysis part of the project (one week)
- < Complete write-up using traditional IEEE methods 6-7 pages (one week)

Maria

- < Need to remove the NaN values to run through SVM
- <

- < Two papers discussed:
 - o Comparison study of IoT anomaly detection for XGBoost versus traditional methods of SVM
 - o DCNN as a viable method for anomaly detection of IoT devices
- < Compare balanced accuracy against traditional accuracy for samples of the weighted and unweighted data

Maria

- < Run through different SVM kernels, documenting metrics including cpu time, using .025, .05, .075 percent of the data
- < 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 & Franklin

- < Meet to discuss process for the DCNN
- < Complete the abstract, update on the one-drive
- <

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 13, 2022, 11:00am.