

CAE Research Project Meeting Minutes

05-25-2023

- **Participants**
 - Dr. Waleed Farag (PI)
 - Dr. Soundarajan Ezekiel
 - Drew Rado
 - Jared Giesen
 - Kurtis Johnson
 - Samuel Rocco
 - Lynn Munro
- Meeting started at 11:00 am
- Unanimously approved minutes for meeting on May 19th, 2023

Main Points:

- **Progress report**
 - Drew –
 - Finished both automation scripts
 - Finishing up documentation for IoT
 - Kurtis –
 - Reconfigured MATLAB license
 - Re-ran all datasets with new dataset
 - Discovered new issues with XGBoost
 - Sam –
 - Finished visualization scripts for python

Discussion points

- All attack automation scripts were finished
 - Malicious datasets were re-collected and prepared for processing
 - Almost all results were similar on the new dataset except for XGBoost's performance
 - XGBoost is outputting a different accuracy between 66% to 99% randomly with new dataset and 50% to 75% for the old dataset, further investigating is needed
- **Tasks:**
 - Drew: Finish documentation and send to Farag for review
 - Kurtis: Continue to look at XGBoost parameters to fix accuracy issues
 - Sam: Review and learn Drew's tasks
 - Lynn: Review and learn Drew's tasks

Adjournment at 11:45pm

Next meeting will be held on Friday, May 31st at 11:00am