

# CAE Research Project Meeting Minutes

4-14-2023

- Participants
  - Dr. Wu
  - Dr. Farag
  - Drew Rado
  - Kurtis Johnson
  - Samuel Rocco
  - Sky Semone
  - Maria Balega
- Meeting started at 11:10 AM
- Unanimously approved minutes for meeting on April 7th, 2023.

## Main Points:

- **Progress report**
  - Sam downloaded machine learning tools, and started learning how SVM/XGBoost can be used in these studies.
  - Kurtis reviewed ML tools
  - Drew finished data collection and handed the data from Sky. 90GB of data.
    - Instead of having different subnets, these will be simulated in post for simplicity.
    - Added to the paper and made corrections
  - Sky made corrections to Dr. Wu's paper and met with Drew about data collection. Also continued to organize files on new computer in 305.
  - Zaryn is making a guide to the DCNN.
  - Emily continued working on documentation and editing IoT testbed paper.
  - Maria is helping with onboarding with SVM, XGBoost.
- **Discussion points/Comments**
  - Onboarding form should be filled out here:
  - Dr. Wu mentioned that before we leave, all results should be included in the paper, so they can be shared with the remaining members of the team (regarding IoT testbed paper.)
- **Tasks:**
  - Sam: Write new implementation of SVM/XGBoost, compare to the results Maria got.
  - Kurtis and Sam: meet with Zaryn to learn how to use DCNN
  - Drew: Lead onboarding and follow through with data once Sky generates the new dataset. Meet with Emily for testbed paper.
  - Sky: post-process data and help onboard. Continue editing paper.
  - Sam, Kurtis, and Drew: come up with a plan to share OpenWRT knowledge since it is very important to this project.
  - Zaryn: Continue working on DCNN guide
  - Emily: work on paper and the IoT-testbed paper.
  - Maria: onboarding and wait for new IoT dataset.

Adjournment at 11:55. Next meeting will be held on Wednesday, April 19th at 11:10 AM