

CAE Research Project Meeting Minutes

07-13-2023

- Participants
 - Dr. Waleed Farag (PI) (excused)
 - Dr. Soundararajan Ezekiel
 - Dr. Xinwen Wu
 - Jared Giesen
 - Kurtis Johnson
 - Samuel Rocco
 - Nathan Metzger
- Meeting started at 11:00 am
- Unanimously approved minutes for meeting on July 5th, 2023

Main Points:

- **Progress report**
 - Drew –
 - Working on IoT test bed paper
 - Kurtis –
 - Completed running DCNN on Titan for Maria
 - Completed training and testing of DCNN on test bed data capture 5-30
 - Currently running DCNN on test bed data capture 4-20
 - Met with Adam for help on configuring machines to utilize GPU in MATLAB
 - Dealing with issues with MATLAB on 4080 machine
 - Sam –
 - Fixed t-SNE to address memory issue
 - Completed training of DCNN on median TON dataset
 - Jared –
 - Primarily working on ARMZTA
 - Nathan –
 - Working on extracting image features from trained nets
- **Discussion points**
 - Contact Drew for updates on IoT paper
 - Track computational complexity for all algorithms
 - Efficiency is an important factor in project since we want near-instant response
 - Went over DCNN fusion steps from Dr. Ezekiel
- **Tasks:**
 - Drew: Finalize the IoT paper
 - Kurtis:
 - Finish running DCNN on last dataset
 - Work on DCNN fusion steps
 - Sam:
 - Convert Dr. Ezekiel's notes to soft copy for documentation
 - Work on DCNN fusion steps
 - Jared:
 - Convert Dr. Ezekiel's notes to soft copy for documentation
 - Nathan:
 - Extract image features from all trained nets

Adjournment at 11:40 pm

Next meeting will be held on Thursday, July 20th at 11:00am