

CAE Research Project Meeting Minutes

9-9-2022

- Participants
 - Dr. Waleed Farag (PI)
 - Dr. Soundararajan Ezekiel (Co-PI)
 - Dr. Xinwen Wu
 - Dr. Jino Ramsen
 - Meghan Schlipp
 - Emily Himes
 - Zachary Keyser
 - Sky Semone
 - Zaryn Good
 - Maria Balega
- Meeting started at 6:00 pm
- Unanimously approved minutes for meeting on September 2nd, 2022

Main Points:

- Drew will be able to join meetings starting next week
- Discussed GenCyber
- Discussed possible solutions for being able to use the local installation of Thingsboard in 305
- Students presented progress from previous week
 - Drew, Emily, and Sky were able to interface three sensors (RBG, sound level meter, and weather) to Thingsboard and produce graphs in a dashboard
- Zach
 - Finished paperwork, will start working in 305 starting the week of the 12th
- Jino
 - Suggests interfacing multiple sensors to singular Arduinos, and have one Arduino board for each node
- Maria
 - Worked on getting sensor to Thingsboard; was experiencing difficulty finding the appropriate libraries for the code. Will continue this work next week
- Hector
 - Worked on assigned sensor
- Meghan
 - Continued research on Trendz Analytics and edge computing

Tasks:

- Goal is to have all sensors connected to Thingsboard by next meeting
- Hector, Nate, Drew
 - Figure out internet/network solution
- Maria

- Revise paper
- Maria and Zaryn
 - Begin passing on knowledge of previous work from phase one
- Sky and Emily
 - Connect sensors to 33 IoT boards; get connected to Thingsboard
- Emily
 - Start using Thingsboard Maker
- Sky
 - EKG readings

Adjournment at 7:15

Next meeting will be held on Friday, September 16, at 6:00 pm