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

Adjournment at 7:15

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