EE/CprE/SE 492 WEEKLY REPORT 4

Availability Prediction Based on Multi-Context Data

Week 4 Report

2/23/19-3/1/19

sdmay19-33

Client & Advisor: Goce Trajcevski

Team Members:

Justice Wright: Report Facilitator

Shane Impola: Scribe

Noah Chicchelly: Meetings and Communications Facilitator

Nick Schmidt: Software Systems Engineer

Tristan Anderson: Network Systems Engineer

Brendon McGehee: Hardware Systems Engineer

Weekly Summary

Running well off the energy boost last weeks PCB design gave the group, the group began making the preparations to receive the boards and test them. The algorithm development team expanded threefold and began mocking up an initial concept for the algorithm alongside design

Past Week Accomplishments

Enclosure preparation - Brendon and Justice

- Completed enclosure modification measurements
- Completed enclosure modification layout in AutoCAD
- Made sure bill of materials was accurate

Backend Cleanup - Noah

- Worked with Tristan and Shane on finishing up backend as a whole.
- Integration tests being considered from all sides and formalized for coming weeks

Communication & Server - Shane

- Finished up server endpoint functionality
- Started working on implementing a dummy algorithm

Communication - Tristan

- Began revising communications tests
- Caught up to speed and helped write dummy algorithm

Algorithm Development - Nick
- ● Worked with Shane towards dummy algorithm implementation

Team Member	*Weekly Hours*	*Total Hours*
Justice Wright	3	17
Shane Impola	3	17
Noah Chicchelly	4	19
Nick Schmidt	4	17
Tristan Anderson	3	17
Brendon McGehee	4	19

Upcoming Week

Brendon
- ● Make enclosure modifications
- ● Solder circuit boards

Noah
- ● Complete back end integration with front end
- ● Start process of full system integrations + testing

Justice
- ● Assist in board and enclosure assembly/modification
- ● Test boards

Shane
- ● Add backend features
- ● Work on algorithm implementation

Tristan
- ● Begin assisting with algorithm development
- ● Help bridge backend and frontend issues

Nick
- ● Work to get dummy data integrated to testing environment
- ● Work towards live data replication with same environment