

Past week accomplishments

Name: DaZhawn Davis

Time spent: 16Hours(From beginning of semester to 10/4)

What I did this week: Put code into our repo. Also looked over code that was in the Phy/Coding folder of the repo. Made a document explaining their algorithm that they use in the code. Researched OpenAirInterface5g, how 5g is used today, how 5g can make everything we do everyday easier, how 5g works,

Plans for next week: I plan to move to a different folder and continue to look over code within the repo to make sure we fully understand how they are writing their code

Name: Andrew Whitehead

Time spent: 22 Hours (From 8/27 to 10/4)

What I did this week: Organize separate google drive folder to place articles, links, reports, assignments, and relevant project and research information in. Researched and gathered information about the first two layers of 5G, Device to Device communication, and Open Air Interface. Review previous versions of code to obtain guidance and looked at tutorials for working on OAI.

Plans for next week: I plan to install OAI and start playing with code and walking through tutorials myself. I also plan on continuing to analyze different sections of the given code

Name: Rohan Willis

Time spent: 15 Hours (From beginning of semester to 10/4)

What I did this week: I reviewed the overview material for OAI network, the large scale emulation network, and the various ways 5g is being used now along with its future capabilities. Skimmed through the code in the folder for the repo.

Plans for next week: I plan to take a deeper look into the code, and install/test the OAI network to become comfortable with it. Will also review the updated code to see the difference between its previous version.

Name: Ousmane Liloyd Ntutume

Time spent: 15 Hours (From beginning of semester to 10/4)

What I did this week: From our first meeting with the client, we concluded that our task was to look into the OpenAirInterface's source code about 5G technology, and figure out how to enable a wireless communication between towers and devices(phone etc). I started by reviewing the document about OpenAirInterface and started researching article about 5G wireless technology. Then I looked at some articles about wireless networking algorithms for 5G technology.

Plans for next week: I plan to install the right version of VM into my window laptop in order to access the source code and help my classmates understanding the current version's code.

Name: Nolan Cardona

Time spent: 20 Hours (From beginning of semester to 10/4)

What I did this week: Created a road map that would allow for the group to have structure and have a set amount of goals for the project. Read through textbooks over the physical abstraction layer of the 5G emulation as well as understanding how to create each of the simulations. Work with sectioning off parts of the PHY code so that we will be able to understand each of the functions that pertain to the code.

Plans for next week: I plan to make sure that each individual continues to stay on schedule and downloads the virtual machine onto their system. Continue performing outside research which will allow for me to be able to understand each of the variables within the code that corresponds to signal modulation.

Individual contributions

Team Member	Contribution	Weekly hours	Total hours
DaZhawn Davis	Reviewed code	16	16
Andrew Whitehead		22	22
Rohan Willis		15	15
Nolan Cardona		20	20
Ousmane Lloyd Ntutume	<ul style="list-style-type: none">- Reviewed the OAI.- Research on Wireless networking algorithms	15	15