

# Senior Design Bi-Weekly Status Report; Fall 2020

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Team Name: sdmay21-13

Team Members: Daniel Shaw, Tyler Hutchinson, Ryan Ingram, Suraj Karn

Report Period: Sept 14 - Sept 20

## Summary of Progress in this Period

Our team met and discussed our project timeline and agreed on a singular project goal. We created a roadmap consisting of four phases. Each phase will have specific things for each person to work on and will have to be finished by a certain deadline.

We also continued learning about the software and simulations that we will be using for the rest of our project.

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## Pending Issues

Gain a better understanding of 5G wireless systems by reading the provided book on 5G/LTE.

Install software/simulation platforms for 5G systems (Open Air Interface) and UAVs (NPS and JSBSim) and explore other software/simulation platforms if necessary.

Narrow down project deadlines and assign tasks to team members.

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## Plans for Upcoming Reporting Period

All team members must have Open Air Interface (OAI) Emulator downloaded and start using an aerial vehicle simulator (NPS or JSBSim) play around with it and get an understanding of how the programs function with each other.

Continue reading the 5G wireless systems book and articles to gain a better understanding of how to implement our project and solidify a project direction.

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