

## MEETING NOTES 09-22-23

Introductions ...

What tech stack?

All up to you

Constraints?

We need to calculate observations opportunities

What is the timeline for this project?

Flexible on how we approach our deadlines. Agile method, show prototypes and feedback will be given.

How will we test?

they will provide sequence of inputs to see what it outputs

"day in the life sequences"

no need to use STK, but will need some sort of validation

We will set up a github repo and add Patrick. They will raise issues.

They don't know what they want, BUT they know what they DO NOT want

They are multiple ways to achieve the solution, "open ended solution"

The ground station will be considered a mock device. To keep the project simple.

What systems are currently in place and are in use?

They have systems right now that perform these tasks. Many satellite interactions right now are

done manually. The objective is to move this to an optimised form.

Will provide 3 short list of optimization goals

1. use few resources as possible

2. ???

3. ???

optimization is up to us (minimising number of contacts to fulfil ordered request)

Weekly meetings every Friday 2:30-3:30

They are not worried about performance in the project. Not a requirement in the CSA perspective

No budget needed, except maybe hosting our own domain.

Conclusions:

- Tech Stack developed and received feedback on constraints.
- Observation opportunities need to be calculated.

- Agile Methodology -> Show prototype and receive feedback.
- Testing Protocols -> "Day in a life" scenarios based on given inputs and outputs.
- What systems are currently in place and are in use?  
 They have systems right now that perform these tasks. Many satellite interactions right now are done manually. The objective is to move this to an optimised form.  
 Will provide 3 short list of optimization goals
  1. use few resources as possible
  2. ???
  3. ???
 optimization is up to us (minimising number of contacts to fulfil ordered request)
- No budget needed, except maybe hosting our own domain.
- STK testing is not needed but could be used for validation.