

ENG 4000 Weekly Meeting Minutes



Every week, this document should be presented to the supervisor, as this will be the basis for grading.

Project Name	Sat Ops MQ
Date & Time of Meeting	Supervisor Meeting: 3:00 - 4:00 pm, 2/8/24 CSA Meeting: 2:30 - 3:30 pm, 2/9/24 Stand-up Meeting: 9:00 - 9:30 pm, 2/11/24

Attendees			
#	Name	Student ID	Username (email)
1	Youssef Hany	216885766	youssef8@my.yorku.ca
2	Rafael Dolores	216142069	rafd47@my.yorku.ca
3	James Le	217270943	jamesmql@my.yorku.ca
4	Walid Al Dari	218375162	walidald@my.yorku.ca
5	Ruth Bezabeh	216171795	ruttkas@my.yorku.ca
6	Stanley Ihesiulo	216985236	ihesiulo@my.yorku.ca
7	Hashir Jamil	217452954	hashirj@my.yorku.ca

Decision Made / Agenda / Objectives / Plan for the Coming Week

Supervisor Meeting:

- Find NCR alternative for agile PM where we have to document bugs and other issues during integration.

CSA Meeting:

- Send the CSA the typo and other changes made to the DITL folder and files.
- CSA is good with the current implementation of the power constraint for now with the front-end and back-end.
- To address Rafael's questions regarding the limited time window for the rescheduling:
 1. Find when you're first able to contact a ground station and the ETA to deliver on schedule.
 2. If $\text{rescheduling_time} > \text{ETA}$ to ground station schedule delivery, don't reschedule, otherwise reschedule the orders.
 3. Time window for rescheduling is as soon as rescheduling is needed so do it as fast as possible.

Stand-up Meeting: Sprint 1.7

- Youssef added and showed power constraint function in deterministic scheduling algo notebook. this code was shown. Next week it will be made to be less static (current state) and become more configurable
- Youssef broke down PSO algorithm setup and has a basic working python script for it → it still needs some extensions and fixes in inertia, cognitive and social formulas
- Walid concluded trade study due to us no longer needing it; he will add more unit tests and bug reports in the next spring
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Team Responsibilities for the Coming Week		
#	Name	Responsibility
1	Youssef Hany	Finished making the PSO algorithm just needs some tweaking with the formulas, power constraint needs to be tested for deterministic scheduler, and further work on Agile PRD.
2	Rafael Dolores	Electron research, debugging ground station unavailability bug, csa request for inserting within ETA
3	James Le	Integration testing for all microservices and creating E2E tests to demo.
4	Walid Al Dari	Create bug reports for previous/present bugs that were handled. Add unit tests for the following services: image management, ground station outbound, and scheduler service. Adjust/fix the image management service to properly utilize the app-config folder.
5	Ruth Bezabeh	
6	Stanley Ihesiulo	
7	Hashir Jamil	

Progress Report on Last Week's Activities			
#	Name	% Completed	Comment (provide the reasoning only if 100% is not completed)
1	Youssef Hany	90%	Front-end and Back-end integration for time constraint completed, and PSO algorithm & documentation completed.
2	Stanley Ihesiulo	5%	
3	Hashir Jamil	100%	
4	Rafael Dolores	100%	
5	Walid AlDari	0%	Took a break past week, so no progress on any work.
6	James Le	100%	Completed dockerizing front-end and created a testing environment for unit tests using Jest.
7	Ruth Bezabeh		