

## 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	Satellite Operations Services Optimizer
Date & Time of Meeting	2023/11/03 (2:30 PM)

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
<ul style="list-style-type: none"> <li>- For the FOV calculation, are we expecting some of the image orders to be acceptable and unacceptable?</li> </ul> <p>Yes, there are orders that will not be fulfillable and the system will be able to detect where the images are acceptable or not.</p> <ul style="list-style-type: none"> <li>- Show the front-end UI, clarify if it meets needs from CSA. Given feedback:</li> </ul> <p>After declining, they would have to re-submit the maintenance request or image order. Option to decline an instance or all the activities in the repeat cycle repetition. We will improve the operations design later. Recurring maintenance, let's say for day 4 we need something else to do on the memory scrub because there is a problem with the memory scrub. Should be able to activate another activity based on orders that need for the operators, i.e., if memory scrub has 3 repeat cycle repetition there are 3 children in 1 parent of memory scrub.</p> <ul style="list-style-type: none"> <li>- Declining activities or schedules, should the option to decline be available after the schedule's been sent to the satellite?</li> </ul> <p>Yes, there should be an option to decline before executing the schedule. (Look at other people's notes for more info)</p> <ul style="list-style-type: none"> <li>- Image Order form clarification? Drop-box functionality?</li> </ul>

They would put it on a FTP server and grab the json files into the database. Local folder to simulate functionality for image requests incoming.

- Health dashboard clarification?

GS: add maintenance, outage, upcoming contacts (SAT-1 @ 16:00:00), current & upcoming schedule (Schedule 1, 2, etc.), acquisition of signal.

SAT: # of images executed & scheduled, current latitude & longitude.

Understanding how the system functions and how it behaves correctly.

- For feedback on code?

Send an email about the concept and if it makes sense.

#### Team Responsibilities for the Coming Week

#	Name	Responsibility
1	Youssef Hany	[GS: Uplink Rate, Front-End: Develop page for operator user case to add ground station.] [Satellite: Downlink Rate, FOV calculation.]
2	Rafael Dolores	
3	James Le	
4	Walid Al Dari	
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	30	Wrong FOV calculation, need to continue propagating the FOV to check acceptable or unacceptable image.
2	Rafael Dolores		
3	James Le		
4	Walid Al Dari		
5	Ruth Bezabeh		
6	Stanley Ihesiulo		
7	Hashir Jamil		