

Agile Process Implementation Check

Communication Team

Alessia Tripaldelli, Rachel Swan, George Pozek

Backlog Items:

Sprint 1:

This sprint included researching literature, finding possible parts to set up the ground station, and defining a modulation scheme. The specifications are shown below with the relative task assignment, weight, and team contribution.

Backlog	Task Assignment	Task Weight Assignment (points)	Contribution	Completed
Proposal: Communication Part	Alessia	4	100%	Yes
Literature Review	George, Alessia, Rachel	4	George 40% Rachel 40% Alessia 20%	Yes
Research on modulation	Rachel	2	100%	Yes
Research on Rover	Alessia, George	2	Alessia 50% George 50%	Yes
Research on Part for ground station	George	3	100%	Yes
Research on materials	George, Rachel	3	Rachel 30% George 70%	Yes
Research on Radios	Rachel	2	100%	Yes

Table 1: Sprint 1 Review

Sprint 2:

This sprint was based on researching more on the modulation scheme to use, specific parts to order, requirements and powerpoint presentation.

Backlog	Task Assignment	Task Weight Assignment (points)	Contribution	Completed
Research on how to use the wifi module on the raspberry pi 5 for communication	Alessia, Rachel	3	Alessia 50% Rachel 50%	Yes
Update Engineering Notebook	George, Alessia, Rachel	1	Equal contribution	Yes
Determine Location to test	Rachel	2	100%	Yes
Powerpoint Presentation slide	Alessia, Rachel	1	Alessia 50% Rachel 50%	Yes
Simulation for powerpoint slide	Rachel	2	100%	Yes
Determine rovers to use	George	2	100%	Yes
Research on using the LoRa hat for the raspberry pi 5	Rachel	3	100%	Yes
Research how to interface with the radar we will be using	George	2	100%	Yes
Decision of parts	George, Alessia, Rachel	2	George 60% Rachel 20% Alessia 20%	Yes
Requirements	Alessia	4	100%	Yes

Table 2: Sprint 2 Review

Sprint 3:

This sprint was based on making the final decision about the parts to order, modifying the proposal according to the new project scope, and starting the SRS.

Backlog	Task Assignment	Task Weight Assignment (points)	Contribution	Completed
Modify Proposal with new scope	Alessia	4	100%	Yes
Ground station decision & modulation scheme	Rachel	4	100%	Yes
SRS	George	3	100%	Yes
Determine Requirements for new project scope	Alessia	2	100%	Yes
Final decision on parts to order	George, Rachel	2	Rachel 50% George 50%	Yes
Agile Process Implementation	Alessia	3	100%	Yes
General Requirements and SRS	Alessia	2	100%	Yes

Table 3: Sprint 3 Review