

Activity Number	Activity Description	Duration (Day)	Start Date	End Date	Predecessors
1	Motor	0	1/1/2024	1/1/2024	
2	Motor Trade Study	10	1/1/2024	1/12/2024	1
3	Motor Selection	1	1/15/2024	1/15/2024	2
4	Motor Integration	5	1/16/2024	1/22/2024	3
5	Battery and Power Distribution	0	1/1/2024	1/1/2024	
6	Rechargeable Battery Trade Study	10	1/1/2024	1/12/2024	5
7	Battery Selection	1	1/15/2024	1/15/2024	6
8	Battery Integration	5	1/16/2024	1/22/2024	7
9	Steering Subsystem	0	1/1/2024	1/1/2024	
10	Servomotor Selection	1	1/1/2024	1/1/2024	9
11	Servomotor Integration	5	1/2/2024	1/8/2024	10
12	Payload Integration Hardware	0	1/22/2024	1/22/2024	4;8;11;19;23;27;31
13	Payload Integration Design	10	1/23/2024	2/5/2024	12
14	Payload Integration Package (PIP) Prototype	5	2/6/2024	2/12/2024	13
15	PIP Prototype Test w/ Integrated Sensors	5	2/13/2024	2/19/2024	14
16	Sonar Sensor	0	1/1/2024	1/1/2024	
17	Sonar Sensor Trade Study	10	1/1/2024	1/12/2024	16
18	Sonar Sensor Selection	1	1/15/2024	1/15/2024	17
19	Sonar Sensor Integration	5	1/16/2024	1/22/2024	18
20	Infrared (IR) Sensor	0	1/1/2024	1/1/2024	
21	IR Sensor Trade Study	10	1/1/2024	1/12/2024	20
22	IR Sensor Selection	1	1/15/2024	1/15/2024	21
23	IR Sensor Integration	5	1/16/2024	1/22/2024	22
24	Optical Sensor	0	1/1/2024	1/1/2024	
25	Optical Sensor Trade Study	10	1/1/2024	1/12/2024	24
26	Optical Sensor Selection	1	1/15/2024	1/15/2024	25
27	Optical Sensor Integration	5	1/16/2024	1/22/2024	26
28	Inertial Navigation Sensor	0	1/1/2024	1/1/2024	
29	Inertial Navigation Sensor Trade Study	10	1/1/2024	1/12/2024	28
30	Inertial Navigation Sensor Selection	1	1/15/2024	1/15/2024	29
31	Inertial Navigation Sensor Integration	5	1/16/2024	1/22/2024	30
32	Payload Integration Package	0	3/14/2024	3/14/2024	15;54
33	Payload Integration Design	15	3/15/2024	4/4/2024	32
34	Payload Integration Package (PIP) Prototype	10	4/5/2024	4/18/2024	33
35	PIP Prototype Test w/ Integrated Sensors	10	4/19/2024	5/2/2024	34
36	Manipulator	0	1/1/2024	1/1/2024	
37	Manipulator Design	20	1/1/2024	1/26/2024	36
38	Manipulator Integration	5	1/29/2024	2/2/2024	37
39	Low Frequency (LF) Radio	0	1/1/2024	1/1/2024	
40	LF Radio Trade Study	12	1/1/2024	1/16/2024	39
41	LF Radio Selection	1	1/17/2024	1/17/2024	40
42	LF Radio Integration	5	1/18/2024	1/24/2024	41
43	Ultra High Frequency (UHF) Radio	0	1/1/2024	1/1/2024	
44	UHF Radio Trade Study	12	1/1/2024	1/16/2024	43
45	UHF Radio Selection	1	1/17/2024	1/17/2024	44
46	UHF Radio Integration	5	1/18/2024	1/24/2024	45
47	Controller	0	1/1/2024	1/1/2024	
48	Controller Trade Study	15	1/1/2024	1/19/2024	47
49	Controller Selection	1	1/22/2024	1/22/2024	48
50	Controller Integration	5	1/23/2024	1/29/2024	49
51	Software (SW) Engineering	0	2/2/2024	2/2/2024	50;38;42;46

Activity Number	Activity Description	Duration	Start Date	End Date	Predecessors
52	AUV Software Development	20	2/5/2024	3/1/2024	51
53	Mission Planning SW	4	3/4/2024	3/7/2024	52
54	Data Analysis SW	5	3/8/2024	3/14/2024	53
55	Operational Demonstration	0	10/16/2024	10/16/2024	62
56	Demonstration Test Plan	3	10/17/2024	10/21/2024	55
57	Demonstration Dry Run	2	10/22/2024	10/23/2024	56
58	Dry Run Review	1	10/24/2024	10/24/2024	57
59	Demonstration Test Plan Update	1	10/25/2024	10/25/2024	58
60	Operational Demonstration	2	10/28/2024	10/29/2024	59
61	Operational Demonstration Report	2	10/30/2024	10/31/2024	60
62	Integration & Test	5	10/10/2024	10/16/2024	35
63	Support & Training	5	11/1/2024	11/7/2024	61