	Project Start Date 9/27/2023 (Wednesday) Project Lead Caleb Flaim		Display Week _		4		Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	
	Project Lead	Caleb Fla	aim					16 Oct 2023 2	3 Oct 2023	30 Oct 2023	6 Nov 2023	13 Nov 2023	20 Nov 2023	27 Nov 2023 26 27 28 29 30 1 2	4 Dec 2023 3 4 5 6 7 8 9 10
WBS	TASK	LEAD ST	TART	END	DAYS		WORK DAYS	M T W T F S S M T							
1	Concept developmen	nt				20.12	-								
1.1	Propose Ideas [[Name] Mon	9/25/23	Tue 9/26/23	2	100%	2								
1.2	Develop general science questions	Mon	9/25/23	Fri 9/29/23	5	100%	5								
1.3	Settle on idea	Thu	9/28/23	Fri 9/29/23	2	100%	2								
1.4	Brainstorm general design of project	Thu	9/28/23	Wed 10/04/23	7	100%	5								
2	Find and order parts	:		-			-								
2.1	Figure out variables to measure [[Name] Mon	9/25/23	Fri 10/06/23	12	100%	10								
2.2	Determine sensors for measuring above variables	Sat	9/30/23	Fri 10/06/23	7	100%	5								
2.3	Order parts	Tue '	10/10/23	Tue 10/10/23	1	100%	1								
3	Background researc	h		-			-								
3.1	General literature/youtube review for project tech components	Mon	10/02/23	Sun 10/15/23	14	100%	10								
3.1.1	How do floats work?	Thu '	10/05/23	Mon 10/09/23	5	100%	3								
3.1.2	Learn about ways to change a floats volume	Wed	1 2/14/18	Fri 2/16/18	3	100%	3								
3.1.3	Determine best float coding structure	Mon	10/09/23	Sun 10/15/23	7	70%	5								
3.1.4	Learn about state machines and how to code one	Mon	10/16/23	Sun 10/29/23	14	30%	10								
4	Electronics design			-			-								
4.1	Determine preliminary wiring	Mon	10/09/23	Sun 10/22/23	14	100%	10								
4.1.1	Read sensor/controler data	asheets Wed	10/11/23	Tue 10/17/23	7	100%	5								
4.1.2	Write/find test code for sensors	Sun	10/15/23	Sat 10/21/23	7	80%	5								
4.2	[Task]	Sat	2/17/18	Fri 2/23/18	7	0%	5								
4.3	[Task]	Fri	2/23/18	Sun 2/25/18	3	0%	1								
5	Electronics build			-			-								
5.1	Build electronics prototype	Fri 1	10/20/23	Sun 10/29/23	10	30%	6								
5.2	Test sensor functionality	Fri 1	10/27/23	Tue 10/31/23	5	0%	3								
5.3	Test data telemetry and range	Fri 1	10/27/23	Tue 10/31/23	5	0%	3								
5.4	Sanity check coding to verify functionality	Mon	10/30/23	Wed 11/01/23	3	0%	3								
6	General drifter progr	ramming		-			-								
6.1	Read sensor values and write to SD card	Mon	10/30/23	Wed 11/01/23	3	0%	3								
6.2	Send data files over Radio to "basestation" controller	Wed	11/01/23	Sun 11/05/23	5	0%	3								
6.3	Simulate float profile sequence (If time)	Sun	11/05/23	Wed 11/08/23	4	0%	3								
7	Drifter testing and de	eployment		-			-								
7.1	Test drifter in test tank	Mon	11/06/23	Wed 11/08/23	3	0%	3								

	Project Start Date 9/27/2023 (Wednescond Caleb Flaim		• • • • • • • • • • • • • • • • • • • •	day) Display Week		4		Week 4 Week 5 Week 6 Week 7 Week 8 Week 8 Week 9 Week 10 Week 11 16 Oct 2023 23 Oct 2023 30 Oct 2023 6 Nov 2023 13 Nov 2023 20 Nov 2023 27 Nov 2023 4 Dec 2023 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 10 10 10 10 10 10
WBS	TASK	LEAD	START	END	DAYS	% DONE	WORK DAYS	M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S
7.2	Overnight test in water		Tue 11/07/23	Wed 11/08/23	2	0%	2	
7.3	Deply drifter with SSC		Fri 11/10/23	Fri 11/10/23	1	0%	1	
8	VBD design			-			-	
8.1	Brainstorm designs to talk to Trevor about		Mon 10/23/23	Sun 11/05/23	14	0%	10	
8.2	Research moving gaskets and seals		Fri 10/27/23	Tue 10/31/23	5	0%	3	
8.3	Meet with Trevor to finalize design		Mon 10/30/23	Fri 11/03/23	5	0%	5	
8.4	[Task]		Thu 2/01/18	Thu 2/01/18	1	0%	1	
8.5	[Task]		Fri 2/02/18	Fri 2/02/18	1	0%	1	
9	VBD Build			-			-	
9.1	Begin building VBD system		Sat 11/04/23	Fri 11/17/23	14	0%	10	
9.2	Hit snaggs		Wed 11/08/23	Sat 11/11/23	4	0%	3	
9.3	Figure out snaggs		Thu 11/09/23	Wed 11/15/23	7	0%	5	
9.4	Finish VBD		Sat 11/18/23	Mon 11/20/23	3	0%	1	
10	Float assembly			-			-	
10.1	Attach VBD to float		Mon 11/20/23	Wed 11/22/23	3	0%	3	
10.2	Program VBD to integrate with existing drifter code		Tue 11/21/23	Thu 11/23/23	3	0%	3	
10.3	Verify sensing and buoyancy control systems work together		Fri 11/24/23	Sun 11/26/23	3	0%	1	
10.4	[Task]		Thu 2/01/18	Thu 2/01/18	1	0%	1	
10.5	[Task]		Fri 2/02/18	Fri 2/02/18	1	0%	1	
11	Float testing and de	ployme	nt	-			-	
11.1	Overnight tests in test tank		Mon 11/27/23	Sun 12/03/23	7	0%	5	
11.1.1	Ensure float can, at a minimum, broadcast GPS position over radio		Mon 11/27/23	Sun 12/03/23	7	0%	5	
11.2	Deployment		Tue 12/05/23	Tue 12/05/23	1	0%	1	
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