

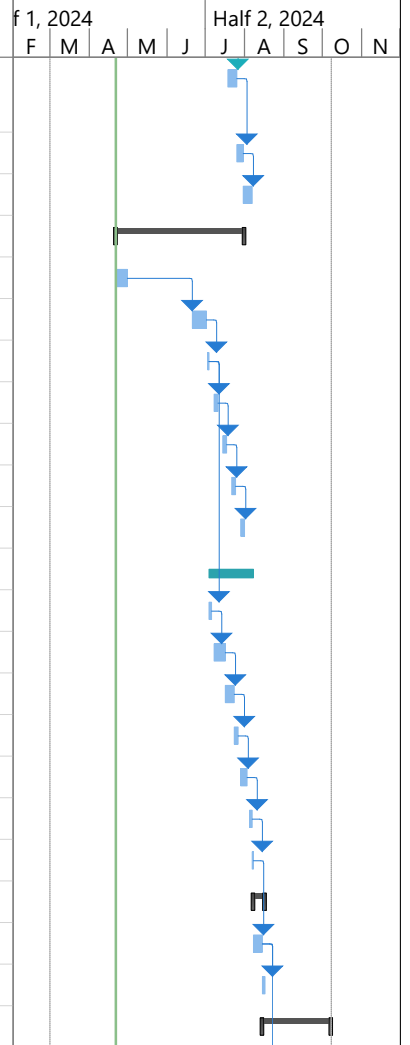
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	1, 2024 F M A M J Half 2, 2024 J A S O N						
1		1 Project Planning and Preparation	18 days	Fri 01/03/24	Tue 26/03/24								
2		1.1 Define research objectives and scope	1 day	Fri 01/03/24	Fri 01/03/24								
3		1.2 Conduct literature review on cavitation erosion a	14 days	Mon 04/03/24	Thu 21/03/24	2							
4		1.3 Develop research methodology	2 days	Fri 22/03/24	Mon 25/03/23	3							
5		1.4 Obtain feedback	1 day	Tue 26/03/24	Tue 26/03/24	4							
6		1.5 Deliverable - Aims & Objectives	0 days	Tue 26/03/24	Tue 26/03/24	5							
7		1.6 Resource Management	4 days	Mon 04/03/24	Thu 07/03/24	2							
8		1.6.1 Define Resource Requirements	1 day	Mon 04/03/24	Mon 04/03/24	2							
9		1.6.2 Identification of types of resources needed (e.g., personnel, equipment, materials)	1 day	Tue 05/03/24	Tue 05/03/24	8							
10		1.6.3 Resource - Personnel	1 day	Wed 06/03/24	Wed 06/03/24	9							
11		1.6.4 Resource - Equipment	1 day	Thu 07/03/24	Thu 07/03/24	10							
12		1.6.5 Deliverable - Resource Management	0 days	Thu 07/03/24	Thu 07/03/24	11							
13		1.7 Risk Management	8 days	Fri 08/03/24	Tue 19/03/24								
14		1.7.1 Identification of risks	1 day	Fri 08/03/24	Fri 08/03/24	11							
15		1.7.2 Identification of Likelihood and Impact of Ide	5 days	Mon 11/03/24	Fri 15/03/24	14							
16		1.7.3 Identify Risk Mitigation Strategies	2 days	Mon 18/03/24	Tue 19/03/24	15							
17		1.7.4 Deliverable - Risk Management	0 days	Tue 19/03/24	Tue 19/03/24	16							
18		1.8 Beneficiaries & Stakeholder	4 days	Wed 20/03/24	Mon 25/03/24								
19		1.8.1 Identification of beneficiaries	2 days	Wed 20/03/24	Thu 21/03/24	17							
20		1.8.2 Identification of stakeholders	2 days	Fri 22/03/24	Mon 25/03/24	19							
21		1.8.3 Deliverable - Beneficiaries & Stakeholder	0 days	Mon 25/03/24	Mon 25/03/24	20							
22		2 Material Preparation	15 days	Wed 27/03/24	Tue 16/04/24								
23		2.1 Procure Stellite samples of different composition	1 day	Wed 27/03/24	Wed 27/03/24	25							

Project: WBS Date: Mon 22/04/24	Task		Inactive Summary		External Tasks	
	Split		Manual Task		External Milestone	
	Milestone		Duration-only		Deadline	
	Summary		Manual Summary Rollup		Progress	
	Project Summary		Manual Summary		Manual Progress	
	Inactive Task		Start-only			
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24	➡	2.2 Prepare Stellite samples for testing (e.g., cutting, grinding, polishing)	7 days	Thu 28/03/24	Fri 05/04/24	23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	f 1, 2024 F M A M J J A S O N							Half 2, 2024 J A S O N						
47	→	5.1 Process experimental data (e.g., erosion depth measurements, surface roughness data)	5 days	Fri 19/07/24	Thu 25/07/24	45														
48	→	5.2 Fit to parameter models	3 days	Fri 26/07/24	Tue 30/07/24	47														
49	→	5.3 Analyze cavitation erosion mechanisms and patterns	5 days	Wed 31/07/24	Tue 06/08/24	48														
50	→	6 Material characterization	73 days	Mon 22/04/24	Wed 31/07/24															
51	→	6.1 EDM Wire Cutting	7 days	Mon 22/04/24	Tue 30/04/24															
52	→	6.2 Sample Preparation	7 days	Fri 21/06/24	Mon 01/07/24	51														
53	→	6.3 Resin Casting	1 day	Wed 03/07/24	Wed 03/07/24	52														
54	→	6.4 SEM & EDS - Visit 1	3 days	Mon 08/07/24	Wed 10/07/24	53														
55	→	6.5 SEM & EDS - Visit 2	3 days	Mon 15/07/24	Wed 17/07/24	54														
56	→	6.6 SEM & EDS - Visit 3	3 days	Mon 22/07/24	Wed 24/07/24	55														
57	→	6.7 SEM & EDS - Visit 4	3 days	Mon 29/07/24	Wed 31/07/24	56														
58	↗?	7 Reporting and Documentation																		
59	→	7.1 Create visualizations (e.g., graphs, charts) to illustrate findings	2 days	Thu 04/07/24	Fri 05/07/24	53														
60	→	7.2 Adapt Literature Review	7 days	Mon 08/07/24	Tue 16/07/24	59														
61	→	7.3 Milestone - Report - Introduction	5 days	Wed 17/07/24	Tue 23/07/24	60														
62	→	7.4 Milestone - Report - Methodology	3 days	Wed 24/07/24	Fri 26/07/24	61														
63	→	7.5 Milestone - Report - Results & Discussion	5 days	Mon 29/07/24	Fri 02/08/24	62														
64	→	7.6 Milestone - Report - Conclusion	2 days	Mon 05/08/24	Tue 06/08/24	63														
65	→	7.7 Milestone - Report - Abstract	1 day	Wed 07/08/24	Wed 07/08/24	64														
66	→	8 Presentation	7 days	Thu 08/08/24	Fri 16/08/24															
67	→	8.1 Create presentation materials (e.g., slides)	5 days	Thu 08/08/24	Wed 14/08/24	65														
68	→	8.2 Practice oral presentation	2 days	Thu 15/08/24	Fri 16/08/24	67														
69	→	9 Publication	38 days	Thu 15/08/24	Mon 07/10/24															



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							F	M	A	M	J	J	A	S	O	N
70		9.1 Write conference paper	12 days	Thu 15/08/24	Fri 30/08/24	67										
71		9.2 Present research findings at conferences, seminars	2 days	Mon 02/09/24	Tue 03/09/24	70										
72		9.3 Write journal paper	21 days	Wed 04/09/24	Wed 02/10/24	71										
73		9.4 Publish research findings in scientific journals or conference proceedings	3 days	Thu 03/10/24	Mon 07/10/24	72										

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Task

Inactive Summary

External Tasks

Split

Manual Task

External Milestone

Milestone

Duration-only

Deadline

Summary

Manual Summary Rollup

Progress

Project Summary

Manual Summary

Manual Progress

Inactive Task

Start-only

Inactive Milestone

Finish-only