




































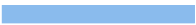




















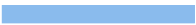


















ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		Accelerometer Inclination Test Platform	233 days?	Wed 1/24/24	Sun 12/8/24	
2		Semester 1	81 days?	Wed 1/24/24	Thu 5/9/24	
3		Initiation Phase	28 days	Wed 1/24/24	Wed 2/28/24	
6		Review and Commit to Parts List	4 days	Fri 2/23/24	Wed 2/28/24	
4		Propose DMEA Project to Professor Levine	11 days	Wed 1/24/24	Tue 2/6/24	
5		Submit Levine-Approved Proposal to DMEA	1 day	Wed 2/7/24	Wed 2/7/24	
8		Semester 1 Research Phase	29 days?	Sun 2/11/24	Tue 3/19/24	
9		Design Idea Contract	5 days	Sun 2/11/24	Thu 2/15/24	
11		Work Breakdown Structure	1 day?	Mon 2/26/24	Mon 2/26/24	
12		Review Github / Version Control	3 days?	Mon 3/4/24	Wed 3/6/24	
13		Review and Determine STM Communication Protocol	8 days?	Tue 3/5/24	Thu 3/14/24	
14		Research TTL Serial Communication Protocol	6 days?	Tue 3/12/24	Tue 3/19/24	
15		Research/Locate Hardware Footprint Measurements for CAD	6 days	Tue 3/12/24	Tue 3/19/24	
10		Revised Design Idea Contract	6 days	Sun 3/3/24	Fri 3/8/24	
16		Semester 1 Design Phase	40 days?	Tue 3/12/24	Sun 5/5/24	
18		Hardware	40 days?	Tue 3/12/24	Sun 5/5/24	
19		Power Supply	4 days	Tue 4/2/24	Sun 4/7/24	
20		Wire External Power Supply to Board	4 days	Tue 4/2/24	Sun 4/7/24	6
24		Servo Motors	2 days	Fri 3/15/24	Mon 3/18/24	
25		Pin Assignment	1 day	Fri 3/15/24	Fri 3/15/24	13
26		Wire Pins	1 day	Mon 3/18/24	Mon 3/18/24	25
27		Fixture	40 days?	Tue 3/12/24	Sun 5/5/24	
28		Tune Printer	6 days?	Tue 3/12/24	Tue 3/19/24	






Project: Project_Accelerometer_ Date: Sun 3/10/24	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			
	Inactive Milestone		Finish-only			

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
31		Tilt Platform	34 days	Wed 3/20/24	Sun 5/5/24	
21		Accelerometer	16 days	Mon 3/18/24	Sun 4/7/24	
22		Pin Assignment	5 days	Tue 3/19/24	Mon 3/25/24	13
23		Wire Pins	4 days	Tue 4/2/24	Sun 4/7/24	22
36		Firmware	15 days	Tue 3/19/24	Mon 4/8/24	
37		Servo Control	15 days	Tue 3/19/24	Mon 4/8/24	
38		Movement Signaling	5 days	Tue 3/19/24	Sun 3/24/24	
39		Confirm Movement	11 days	Mon 3/25/24	Mon 4/8/24	
40		Accelerometer Control	10 days	Tue 3/19/24	Mon 4/1/24	
41		Receive Data	4 days	Tue 3/19/24	Sun 3/24/24	
42		Display Data Received	5 days	Tue 3/26/24	Mon 4/1/24	41
43		Instruction Set	10 days	Tue 3/19/24	Tue 4/2/24	
44		Create Movement Profiles	8 days	Tue 3/19/24	Thu 3/28/24	
45		Recall and Execute Movement Profiles	2 days	Fri 3/29/24	Mon 4/1/24	44
46		Instruction Set Prototype Working	0 days	Tue 4/2/24	Tue 4/2/24	
17		Assemble Prototype	0 days	Sun 4/7/24	Sun 4/7/24	
47		Semester 1 Final Phase	10 days	Mon 4/29/24	Thu 5/9/24	
48		Report	9 days	Mon 4/29/24	Wed 5/8/24	
49		Poster	10 days	Mon 4/29/24	Thu 5/9/24	
50		Present Semester 1 Prototype	0 days			
51		Semester 2	72 days	Sun 9/1/24	Sun 12/8/24	
52		Semester 2 Research Phase	18 days	Sun 9/1/24	Tue 9/24/24	
53		Critique Semester 1 Prototype	6 days	Sun 9/1/24	Fri 9/6/24	

Project: Project_Accelerometer_ Date: Sun 3/10/24	Task		Inactive Summary		External Tasks	
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	Inactive Task		Start-only			
	Inactive Milestone		Finish-only			

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
54		Research Design Revisions	6 days	Mon 9/9/24	Mon 9/16/24	53
55		Research and Order New Parts	6 days	Tue 9/17/24	Tue 9/24/24	54
56		Semester 2 Design Phase	53 days	Wed 9/25/24	Fri 12/6/24	
57		Implement Design Revisions	21 days	Wed 9/25/24	Wed 10/23/24	
58		Hardware	21 days	Wed 9/25/24	Wed 10/23/24	
62		Power Supply	6 days	Wed 9/25/24	Wed 10/2/24	55
59		Fixture	19 days	Wed 9/25/24	Mon 10/21/24	
60		Tune Printer	6 days	Wed 9/25/24	Wed 10/2/24	55
61		Tilt Platform	13 days	Thu 10/3/24	Mon 10/21/24	60
63		Servo Motors	13 days	Wed 9/25/24	Fri 10/11/24	55
64		Accelerometer	21 days	Wed 9/25/24	Wed 10/23/24	55
65		Firmware	13 days	Wed 9/25/24	Fri 10/11/24	
66		Instruction Set	13 days	Wed 9/25/24	Fri 10/11/24	55
67		Accelerometer Control	6 days	Wed 9/25/24	Wed 10/2/24	55
68		Servo Motor Control	6 days	Wed 9/25/24	Wed 10/2/24	55
69		Electronic Housing	20 days	Thu 10/24/24	Wed 11/20/24	57
70		Design Electronic Housing Model in CAD	6 days	Thu 10/24/24	Thu 10/31/24	57
71		Print Electronic Housing Prototype	2 days	Fri 11/1/24	Mon 11/4/24	70
72		Review and Iterate Electronic Housing Design	6 days	Tue 11/5/24	Wed 11/20/24	71
73		Final Build	12 days	Thu 11/21/24	Fri 12/6/24	72
74		Assemble Upgrades and Electronic Housing	6 days	Thu 11/21/24	Thu 11/28/24	72
75		Test to spec	6 days	Fri 11/29/24	Fri 12/6/24	74
76		Build Final Product	0 days	Fri 11/29/24	Fri 11/29/24	

Project: Project_Accelerometer_ Date: Sun 3/10/24	Task		Inactive Summary		External Tasks	
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	Inactive Task		Start-only			
	Inactive Milestone		Finish-only			

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
77		Semester 2 Final Phase	71 days	Sun 9/1/24	Fri 12/6/24	
78		Report	71 days	Sun 9/1/24	Fri 12/6/24	
79		Other Final Presentation Preperations	71 days	Sun 9/1/24	Fri 12/6/24	
80						
81						

Project: Project_Accelerometer_
Date: Sun 3/10/24

Task

Split

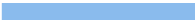
Milestone


Summary


Project Summary


Inactive Task


Inactive Milestone

















Inactive Summary

Manual Task


Duration-only


Manual Summary Rollup


Manual Summary


Start-only


Finish-only


















External Tasks


External Milestone


Deadline


Progress


Manual Progress

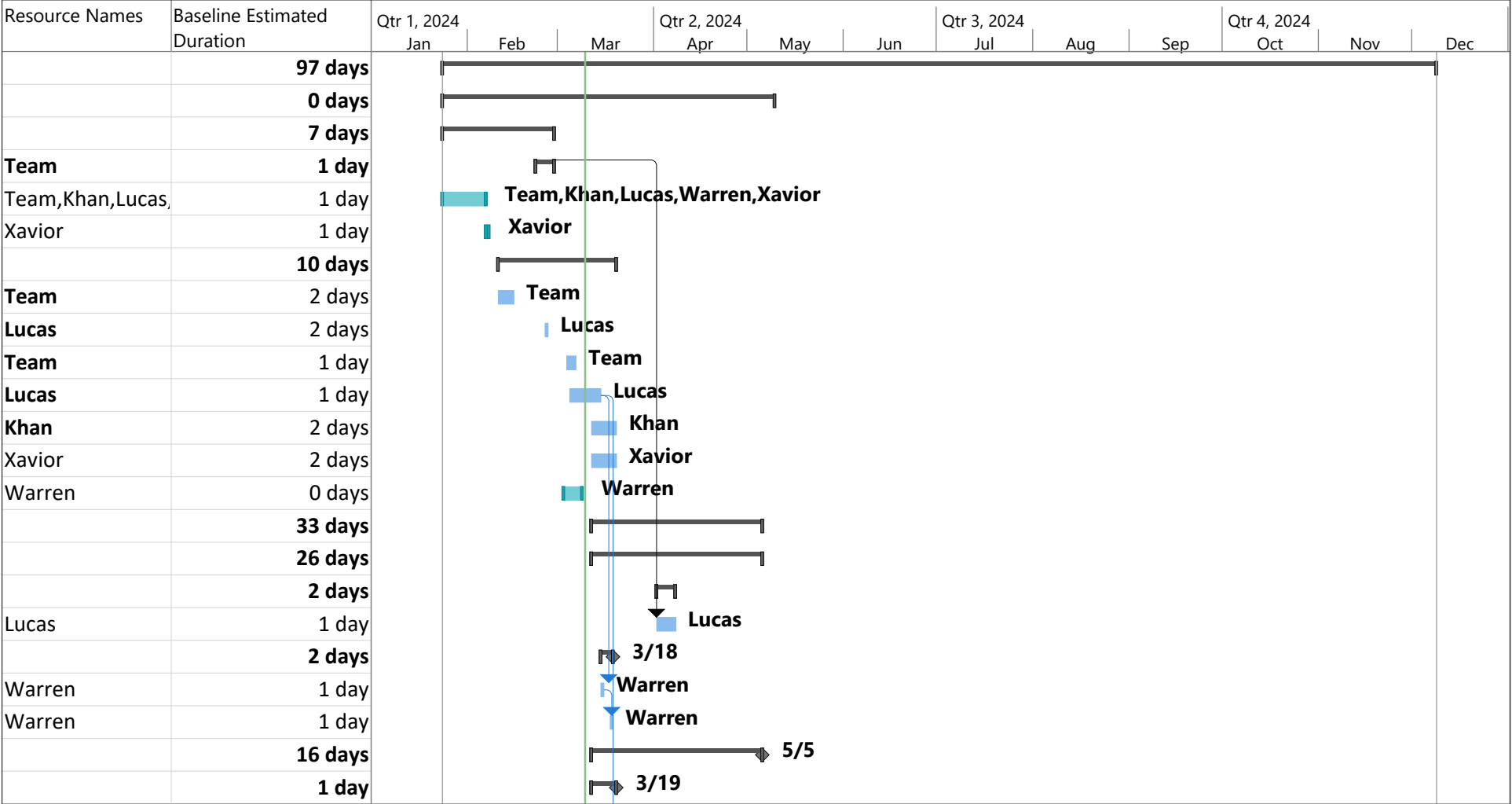












Project: Project_Accelerometer_
Date: Sun 3/10/24

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

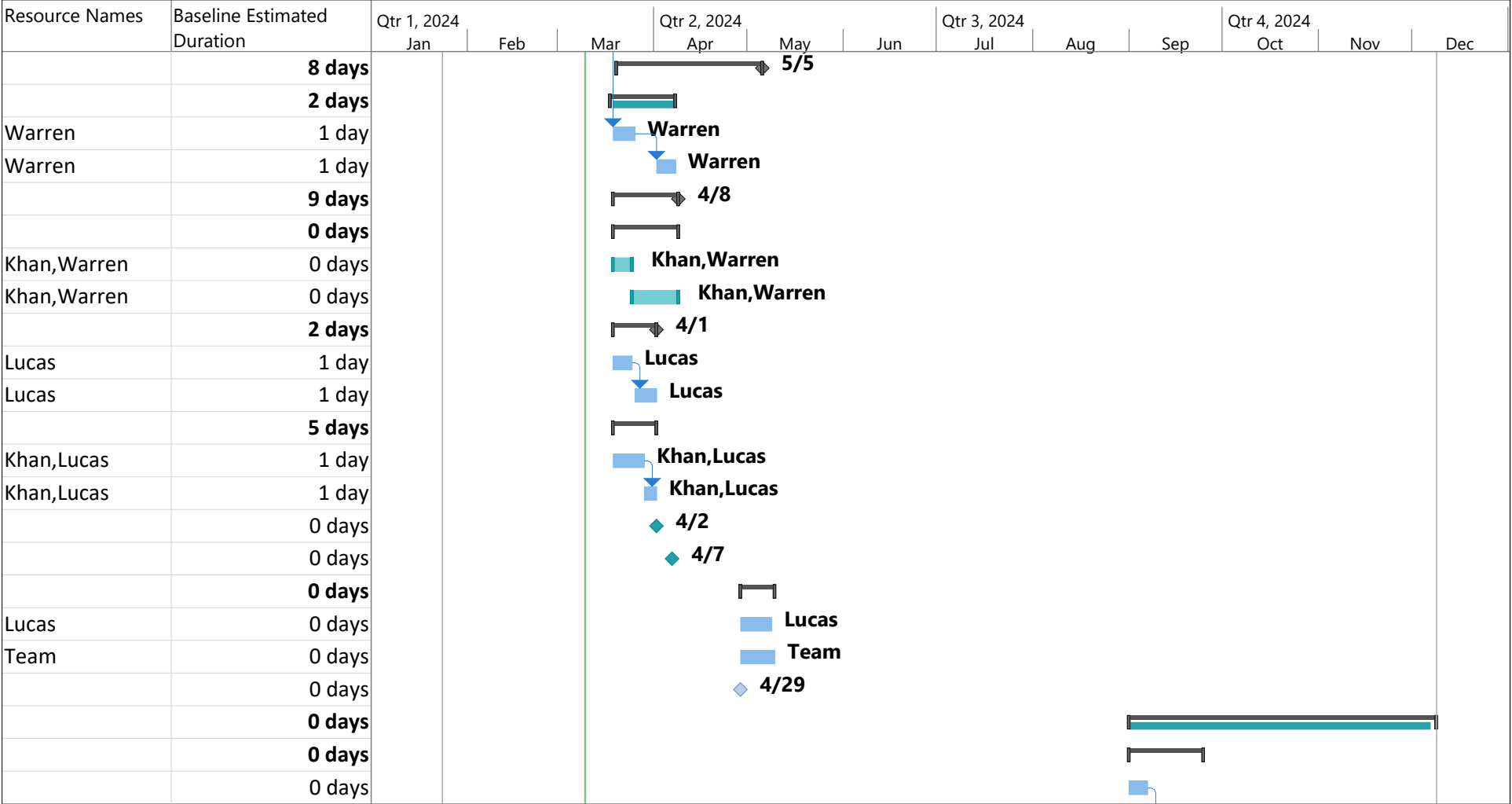
External Tasks

External Milestone

Deadline

Progress

Manual Progress



Project: Project_Accelerometer_
Date: Sun 3/10/24

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

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Resource Names	Baseline Estimated Duration	Qtr 1, 2024			Qtr 2, 2024			Qtr 3, 2024			Qtr 4, 2024		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	12 days									<div></div>			
	0 days									<div></div>			
	0 days									<div></div>			
	0 days												



Project: Project_Accelerometer_ Date: Sun 3/10/24	Task		Inactive Summary		External Tasks	
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	Inactive Milestone		Finish-only			