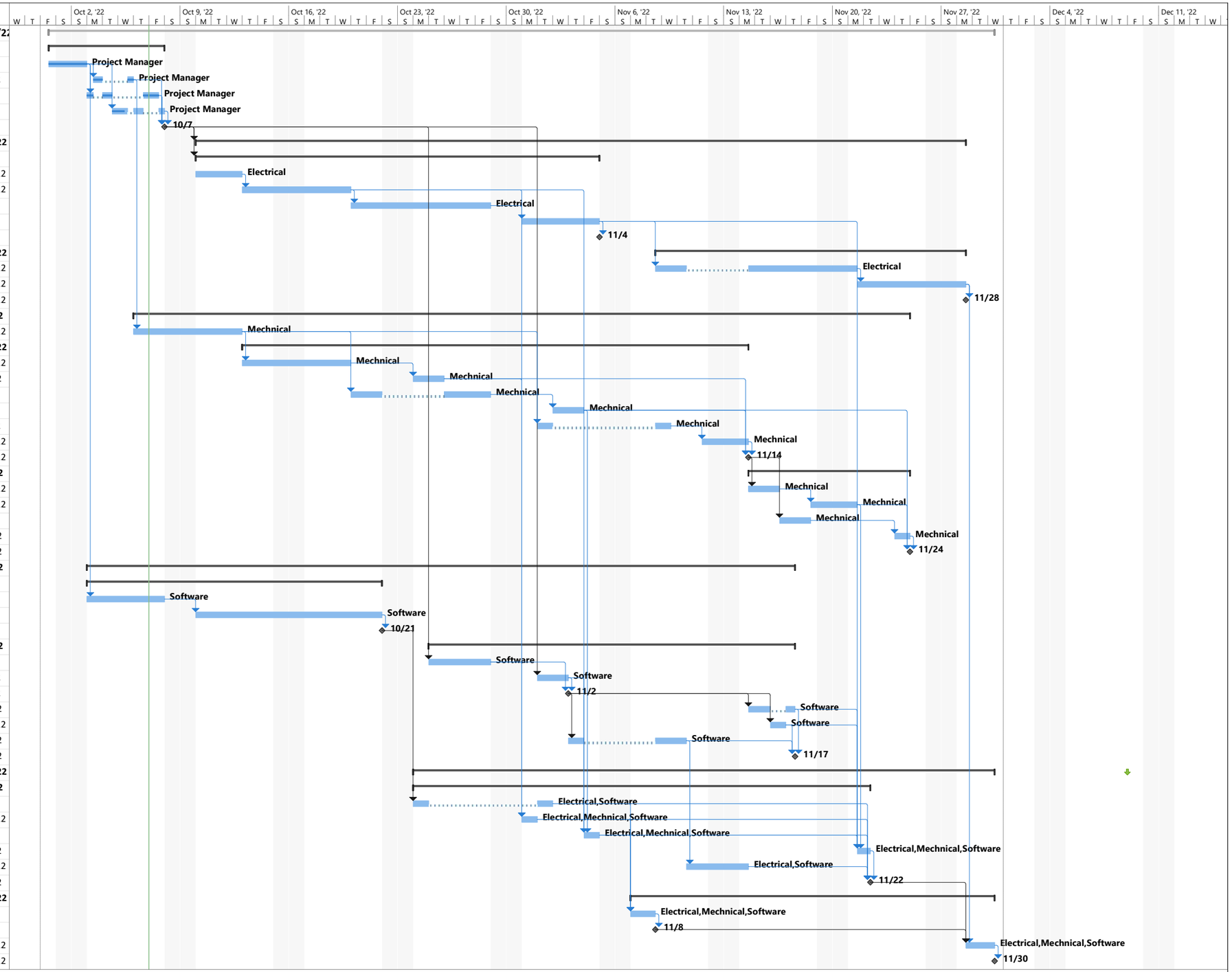
ID		Task Mode	Task Name	Duration	Start	Finish
0			**BIME Final Development**	**42.83 days**	**Fri 9/30/22**	**Wed 11/30/22**
1			**Project Planing**	**5.5 days**	**Fri 9/30/22**	**Fri 10/7/22**
2	✓		Initial Project	4 hrs	Fri 9/30/22	Sun 10/2/22
3	✓		Ensure the Requirement	1 day	Mon 10/3/22	Wed 10/5/22
4	✓		Planning Schedule	2 days	Mon 10/3/22	Fri 10/7/22
5			Block Diagram	2 days	Tue 10/4/22	Fri 10/7/22
6			Scope Complete	0 days	Fri 10/7/22	Fri 10/7/22
7			**Electrical**	**35.67 days**	**Mon 10/10/22**	**Mon 11/28/22**
8			**Develop Phase**	**20 days**	**Mon 10/10/22**	**Fri 11/4/22**
9			DP1 Board Developing	3 days	Mon 10/10/22	Wed 10/12/22
10			DP1 Board Manufacturing	1 wk	Thu 10/13/22	Wed 10/19/22
11			DP2 Board Developing	7 days	Thu 10/20/22	Fri 10/28/22
12			DP2 Board Manufacturing	1 wk	Mon 10/31/22	Fri 11/4/22
13			Electrical Basic Complete	0 days	Fri 11/4/22	Fri 11/4/22
14			**Validation Phase**	**14 days**	**Tue 11/8/22**	**Mon 11/28/22**
15			VP1 Board Developing	7 days	Tue 11/8/22	Mon 11/21/22
16			VP1 Board Manufacturing	1 wk	Mon 11/21/22	Mon 11/28/22
17			Electrical Bonus Complete	0 days	Mon 11/28/22	Mon 11/28/22
18			**Mechanical**	**36 days**	**Thu 10/6/22**	**Thu 11/24/22**
19			Plan the Bold Structure	5 days	Thu 10/6/22	Wed 10/12/22
20			**Mechanical Basic**	**22.67 days**	**Thu 10/13/22**	**Mon 11/14/22**
21			Car Body Design	5 days	Thu 10/13/22	Wed 10/19/22
22			Car Body Assembly	2 days	Mon 10/24/22	Tue 10/25/22
23			Gripper Design	5 days	Thu 10/20/22	Fri 10/28/22
24			Gripper Assembly	2 days	Wed 11/2/22	Thu 11/3/22
25			Camera Holder Design	2 days	Tue 11/1/22	Wed 11/9/22
26			Camera Holder Assembly	1 day	Fri 11/11/22	Mon 11/14/22
27			Mechanical Basic Complete	0 days	Mon 11/14/22	Mon 11/14/22
28			**Mechanical Bonus**	**8.33 days**	**Mon 11/14/22**	**Thu 11/24/22**
29			Obstacle Sensor Holder Design	2 days	Mon 11/14/22	Wed 11/16/22
30			Obstacle Sensor Holder Assembl	1 day	Fri 11/18/22	Mon 11/21/22
31			Thermal Sensor Holder Design	2 days	Wed 11/16/22	Fri 11/18/22
32			Thermal Sensor Holder Assembl	1 day	Thu 11/24/22	Thu 11/24/22
33			Mechanical Bonus Complete	0 days	Thu 11/24/22	Thu 11/24/22
34			**Software**	**33.67 days**	**Mon 10/3/22**	**Thu 11/17/22**
35			**Controller**	**15 days**	**Mon 10/3/22**	**Fri 10/21/22**
36			Research Similar Solution	5 days	Mon 10/3/22	Fri 10/7/22
37			Controller Implementation	2 wks	Mon 10/10/22	Fri 10/21/22
38			Controller Complete	0 days	Fri 10/21/22	Fri 10/21/22
39			**Firmware**	**17.67 days**	**Tue 10/25/22**	**Thu 11/17/22**
40			Wheel Control Implementation	4 days	Tue 10/25/22	Fri 10/28/22
41			Gripper Control Implementation	2 days	Tue 11/1/22	Wed 11/2/22
42			Firmware Basic Complete	0 days	Wed 11/2/22	Wed 11/2/22
43			Obstacle Detector Implementati	2 days	Mon 11/14/22	Thu 11/17/22
44			Buzzer Control Implementation	1 day	Wed 11/16/22	Wed 11/16/22
45			Thermal Sensor Implementation	3 days	Thu 11/3/22	Thu 11/10/22
46			Firmware Bonus Complete	0 days	Thu 11/17/22	Thu 11/17/22
47			**Testing**	**27.33 days**	**Mon 10/24/22**	**Wed 11/30/22**
48			**Unit Testing**	**21.33 days**	**Mon 10/24/22**	**Tue 11/22/22**
49			Controller Testing	2 days	Mon 10/24/22	Tue 11/1/22
50			Wheel Control Adjustment	1 day	Mon 10/31/22	Mon 10/31/22
51			Gripper Control Adjustment	1 day	Fri 11/4/22	Fri 11/4/22
52			Obstacle Detector Calibration	0.67 days	Mon 11/21/22	Tue 11/22/22
53			Thermal Sensor Testing	2 days	Thu 11/10/22	Mon 11/14/22
54			Unit Testing Complete	0 days	Tue 11/22/22	Tue 11/22/22
55			**Integration Testing**	**17.33 days**	**Mon 11/7/22**	**Wed 11/30/22**
56			Integration Basic Testing	1.67 days	Mon 11/7/22	Tue 11/8/22
57			Integration Basic Testing	0 days	Tue 11/8/22	Tue 11/8/22
58			Integration Bonus Testing	1.67 days	Mon 11/28/22	Wed 11/30/22
59			Integration Bonus Testing Compl	0 days	Wed 11/30/22	Wed 11/30/22



Project: BIME Final Developmen
Date: Fri 10/7/22

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