


































ID	Task Name	Description	Deliverables/ Checkpoints	Duration	Start	Finish	Predecess	Resource Names	People	
1	Schematic Design			5 days	Mon 10/30/17	Fri 11/3/17				
2		Finalize components to use	Check compatibility	5 days	Mon 10/30/17	Fri 11/3/17		EagleCAD	Mark, Yebin	
3		Check if all design rules and dimensions are followed		4 days	Mon 10/30/17	Thu 11/2/17		EagleCAD	Mark, Yebin	
4		Import design check files from capstone website and verify		1 day	Fri 11/3/17	Fri 11/3/17			Mark, Yebin	
5		Decide whether or not to do metal PCB through hole prototype		1 day	Fri 11/3/17	Fri 11/3/17			Mark, Yebin	
6		Build PCB layout		1 day	Fri 11/3/17	Fri 11/3/17	2,3,4,5	EagleCAD	Yebin	
7	Building Prototype			5 days	Mon 10/30/17	Fri 11/3/17				
8	Hardware	Test RF componenets	- Test RX, TX, and transceivers	4 days	Mon 10/30/17	Thu 11/2/17		Test bench, DC power	Tapas, Yebin	
9		Test voltage supply	-Test designed voltage regulators	4 days	Mon 10/30/17	Thu 11/2/17		Test bench, DC power	Tapas, Yebin	
10			-Check battery requirer	1 day	Fri 11/3/17	Fri 11/3/17		Google	Mark, Tapas	
11		Test sensor	-Test accelerometer	1 day	Thu 11/2/17	Thu 11/2/17		Test bench, DC	Tapas	
12	Software	Build algorithm	-Build high and low algorithm	5 days	Mon 10/30/17	Fri 11/3/17		Google docs, Github	Gomathy, Mark	






Project: Project plan Date: Wed 11/1/17	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			

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13		Code for microcontrollers	-Code for Atmel DIP and TQFP	5 days	Mon 10/30/17	Fri 11/3/17		Arduino IDE	Gomathy, Mark	
14			-Code for PIC optional	5 days	Mon 10/30/17	Fri 11/3/17		Arduino IDE	Gomathy, Mark	
15			-Document code	5 days	Mon 10/30/17	Fri 11/3/17		Github,Google	Gomathy, Mark	
16		Test code with hardware		5 days	Mon 11/6/17	Fri 11/10/17	8,9,11,10	Github,Google	Gomathy, Mark	
17	Documentation			5 days	Mon 11/13/17	Fri 11/17/17				
18	Diagrams	Build state and data flow digrams, and flowcharts		5 days	Mon 11/27/17	Fri 12/1/17		Google docs	Gomathy, Yebin	
19	Role of models	Demonstrate the functions of componenets		5 days	Mon 11/13/17	Fri 11/17/17		Google docs	Mark, Tapas	
20	Properties of models	Identify properties of componenets		1 day	Mon 11/13/17	Mon 11/13/17		Google docs	Tapas, Yebin	
21	Unified Modeling Language (UML) Six	Visualize system's architecture by including both hardware and software		5 days	Mon 11/13/17	Fri 11/17/17		Google docs	Gomathy	
22	Build Final product			10 days	Mon 11/20/17	Fri 12/1/17				
23	Robot Chassis	Build a robot chassis		1 day	Mon 11/20/17	Mon 11/20/17		Test bench	Tapas	

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Task 
Split 
Milestone 
Summary 
Project Summary 
Inactive Task 
Inactive Milestone 

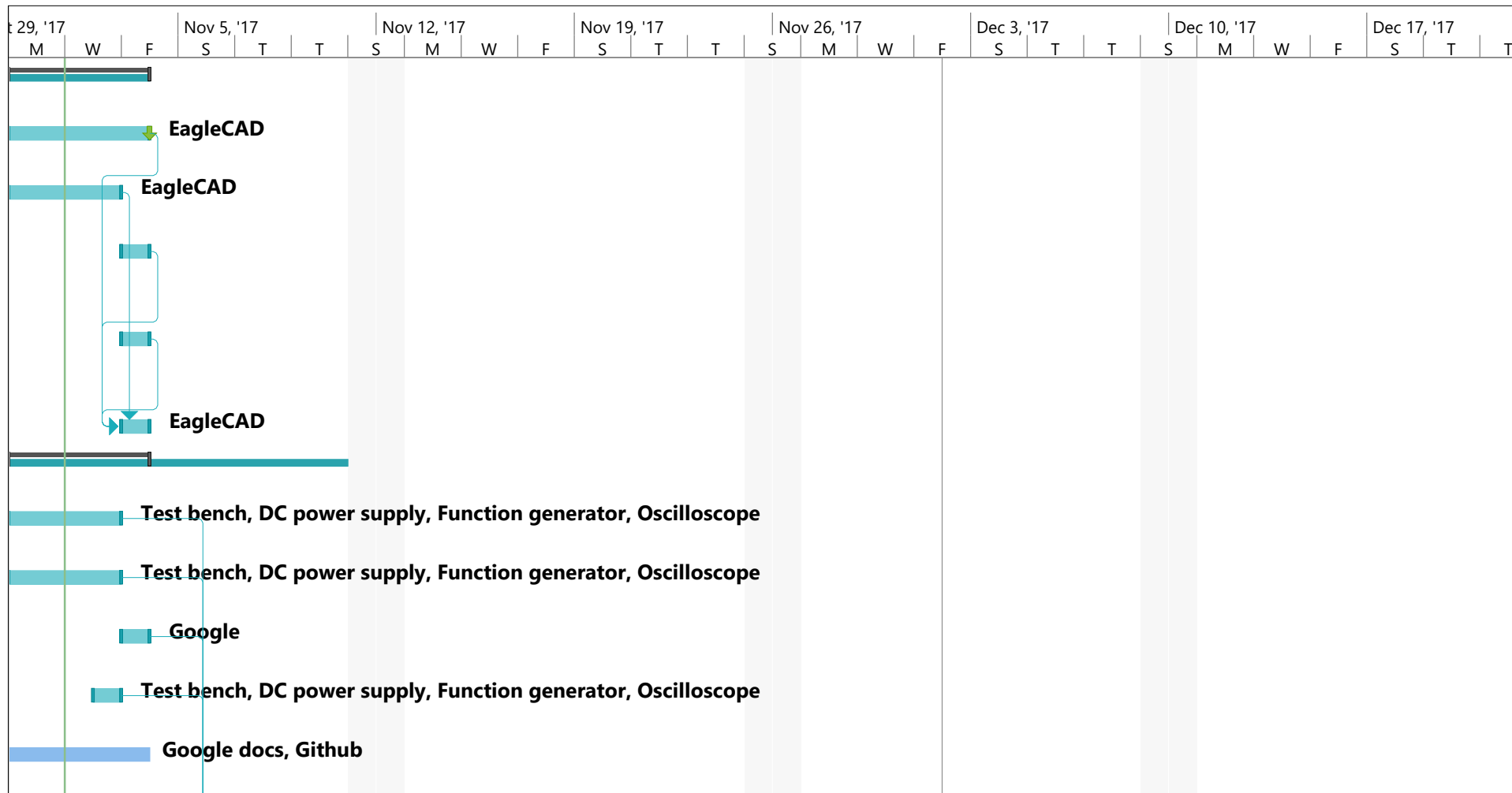
Inactive Summary 
Manual Task 
Duration-only 
Manual Summary Rollup 
Manual Summary 
Start-only 
Finish-only 

External Tasks 
External Milestone 
Deadline 
Progress 
Manual Progress 

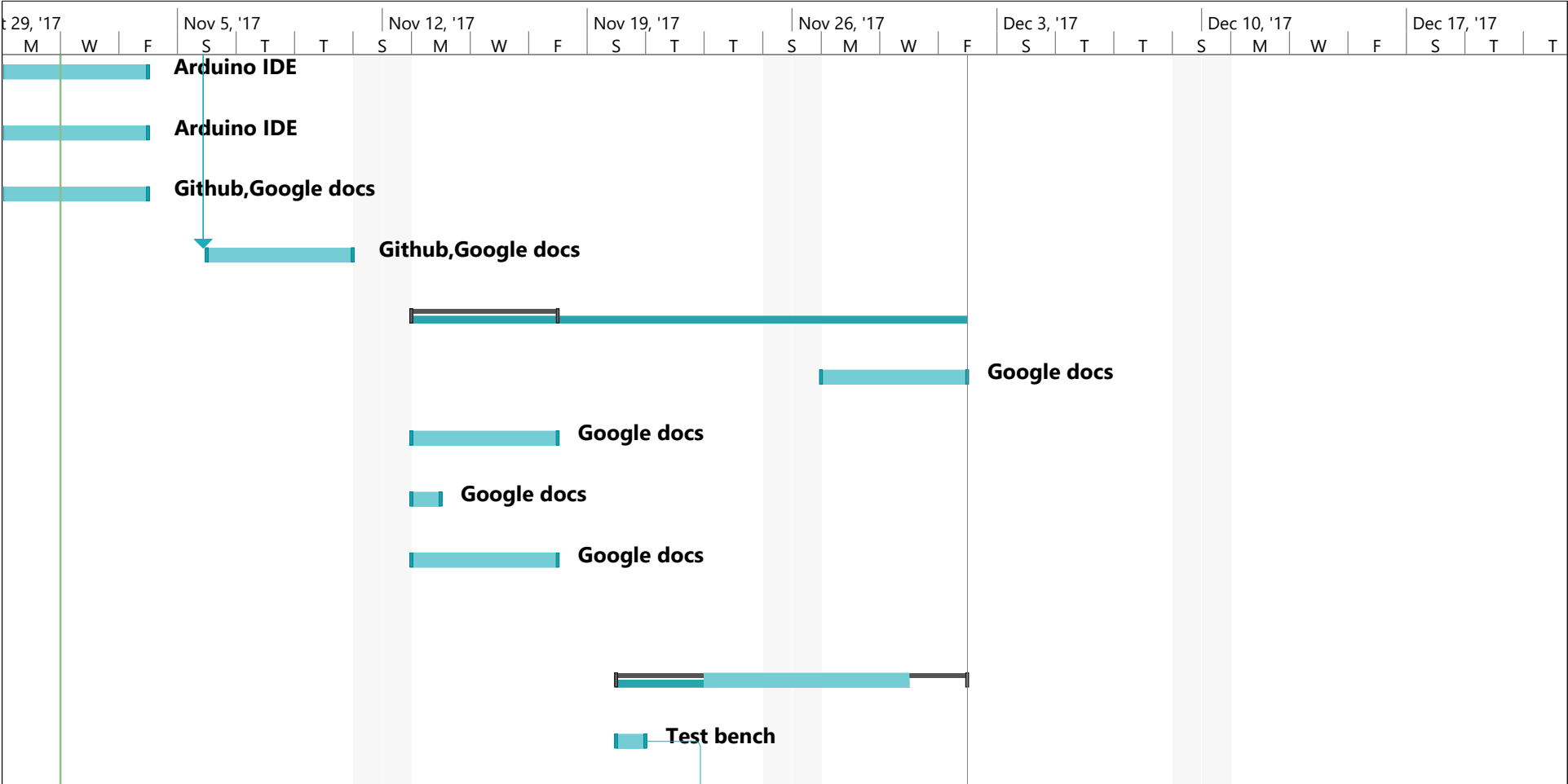
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24	Hardware	Solder componenets to PCB which is attached to the robot chassis		2 days	Mon 11/20/17	Tue 11/21/17		Soldering station,Test bench	Tapas, Yebin	
25	Software	Upload codes to microcontroller		1 day	Wed 11/22/17	Wed 11/22/17		Arduino IDE	Gomathy, Mark	
26	Exhaustive Testing		-Find and list methods to test	5 days	Thu 11/23/17	Wed 11/29/17	23,24,25	Test bench, batteries,	Team	
27			-Check voltages at all test points	1 day	Mon 11/27/17	Mon 11/27/17		batteries,Test	Tapas	

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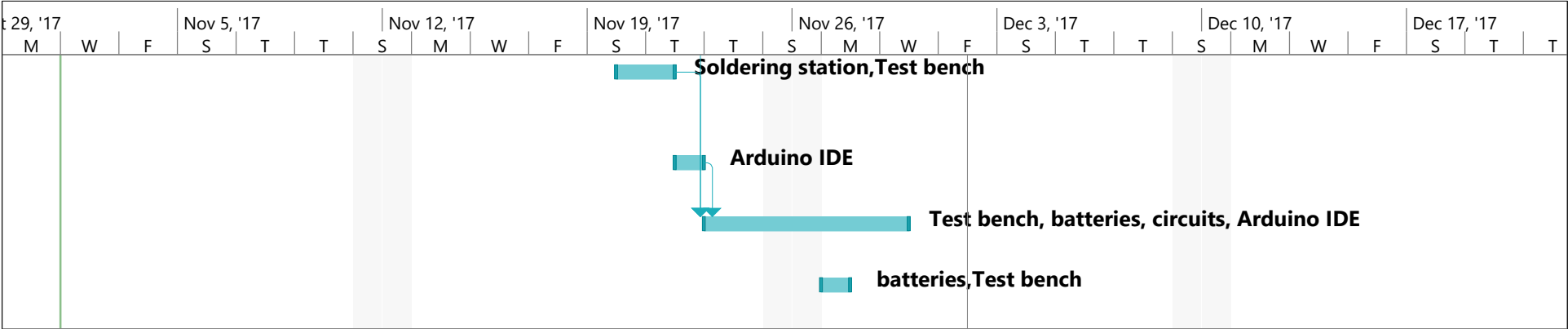


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