MT08 - Markose Jacob, Pooja Kabra Acme Ackermann Steering Controller Product Backlog

Unique ID	Task	Sprint	Estimated time (minutes)	Time after Iteration 1	Time after Iteration 2
		+	,		
1	Plan and Design		405	416	25
1.01		1	10		
	Link github repo with travis CI	+		20	
1.02	Link github repo with Coveralls	1	20	22	
1.03	Create skeleton code for Sensor class	1	10	11	
1.04	Write constructors and destructors for Sensor class	1	10	16	
1.05	Create unit tests for Sensor class	1	20	20	
1.06	Write getters for Sensor class	1	10	10	
1.07	Write setters for Sensor class	1	10	10	
1.08	Create skeleton code for RobotKinematics class	1	10	20	
1.09	Write constructors and destructors for RobotKinematics class	1	10	10	
1.1	Create unit tests for RobotKinematics Class	1	20 10	17 14	
1.11	Write getters for RobotKinematics class				
1.12	Write setters for RobotKinematics class	1	10 20	8	
1.13	Inspect source code	2	20	15 8	
1.14	Create skeleton code for Controller class				
1.15	Write constructors and destructors for Controller class	2	10	8	40
1.16	Create unit tests for Controller class	2	20	12	10
1.17	Write getters for Controller class	2	10	11	
1.18	Write setters for Controller class	2	10	8	
1.19	Create skeleton code for ForwardKinematics class	2	10	4	
1.2	Write constructors and destructors for ForwardKinematics class	2	10	6	
1.21	Declare methods in ForwardKinematics class	2	5	5	
1.22	Create unit test for ForwardKinematics class	2	10	12	
1.23	Write getters for ForwardKinematics class	2	5	4	
1.24	Write setters for ForwardKinematics class	2	5	3	
1.25	Create skeleton code for InverseKinematics class	2	10	18	15
1.26	Inspect source code	2	20	26	
1.27	Inspect unit test	2	25 45	23 60	
1.28	Added doxygen comments	2		**	
1.29	Update readme	2	20	15	
2	Implementation		500	441	0
2.01	Implement calculateHeadingError method	3	20	25	
2.02	Create unit test for calculateHeadingError	3	20	15	
2.03	Implement calculateSpeedError method	3	25	23	
2.04	Create unit test for calculateSpeedError	3	15	18	
2.05	Inspect source code	3	20	15	
2.06	Implement solve method	4	40	50	
2.07	Create unit test for solve	4	30	20	
2.08	Inspect source code	4	15	12	
2.09	Implement calculateWheelSpeed method	4	15	13	
2.10	Create unit test for calculateWheelSpeed	4	15	10	
2.11	Implement calculateWheelAngles method	4	15	15	
2.12	Create unit test for calculateWheelAngles	4	15	10	
2.13	Inspect source code	4	15	10	
2.14	Implement Main function	4	20	10	
2.15	Create visualization	5	60	50	
2.16	Tune parameters	5	40	30	
2.17	Update readme	5	20	25	
2.18	Run and fix cpplint	5	20	25	
2.19	Run and fix Cppcheck	5	20	20	
2.19	Run and fix Cappeneek	5	20	5	
2.21	Generate documentation	5	40	40	
		1 ~		-70	
	Remaining effort	1	875		
<u> </u>	Total effort time	 	30		
	Total elloit uille	1	30		l

Use index colors to show revisions on task time

Index	Information
	Target Time
	Revised Target Time
	Actual Time Taken
	New Task Added