

MT08 - Markose Jacob, Pooja Kabra

Acme Ackermann Steering Controller

Product Backlog

Use index colors to show revisions on task time

Unique ID	Task	Sprint	Estimated time (minutes)	Time after Iteration 1	Time after Iteration 2
1	Plan and Design		325	0	0
1.01	Link github repo with travis CI	1	10		
1.02	Link github repo with Coveralls	1	10		
1.03	Create skeleton code for Sensor class	1	10		
1.04	Write constructors and destructors for Sensor class	1	10		
1.05	Create unit tests for Sensor class	1	20		
1.06	Write getters for Sensor class	1	10		
1.07	Write setters for Sensor class	1	10		
1.08	Create skeleton code for RobotKinematics class	1	10		
1.09	Write constructors and destructors for RobotKinematics class	1	10		
1.1	Create unit tests for RobotKinematics Class	1	20		
1.11	Write getters for RobotKinematics class	1	10		
1.12	Write setters for RobotKinematics class	1	10		
1.13	Inspect source code	1	20		
1.14	Create skeleton code for Controller class	2	20		
1.15	Write constructors and destructors for Controller class	2	10		
1.16	Create unit tests for Controller class	2	20		
1.17	Write getters for Controller class	2	10		
1.18	Write setters for Controller class	2	10		
1.19	Create skeleton code for ForwardKinematics class	2	10		
1.2	Write constructors and destructors for ForwardKinematics class	2	10		
1.21	Create skeleton code for InverseKinematics class	2	10		
1.22	Inspect source code	2	20		
1.23	Inspect unit test	2	25		
1.24	Update readme	2	20		
2	Implementation		410	0	0
2.01	Implement calculateHeadingError method	3	20		
2.02	Create unit test for calculateHeadingError	3	20		
2.03	Implement calculateSpeedError method	3	20		
2.04	Create unit test for calculateSpeedError	3	20		
2.05	Inspect source code	3	20		
2.06	Implement solve method	4	40		
2.07	Create unit test for solve	4	30		
2.08	Inspect source code	4	20		
2.09	Implement calculateWheelSpeed method	4	15		
2.10	Create unit test for calculateWheelSpeed	4	15		
2.11	Implement calculateWheelAngles method	4	15		
2.12	Create unit test for calculateWheelAngles	4	15		
2.13	Inspect source code	4	20		
2.14	Implement Main function	4	20		
2.15	Create visualization	5	60		
2.16	Tune parameters	5	40		
2.17	Update readme	5	20		

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

	Remaining effort		735						
	Total effort time								