

Quest Rubric No: 4		15	
Objective criteria (0/1, 1=met)	Rating	Max	Comments
Uses PID for speed control for setpoint of [0.1-0.4 m/s]	1	1	Porportion part of PID
Stops within 10 cm of end	1	1	Ultrasonic on the front
Drives in center of track +/- 25cm	1	1	2 micro-lidars (left and right)
Successfully traverses A-B in one go, no hits or nudges	1	1	
Uses console or alpha display to show current position or speed as diagnostic	1	1	
Controlled remotely, start and stop	1	1	
Investigative question response	1	1	
Total objective criteria	7	7	
Qualitative criteria	Rating	Max	Comments
Quality of solution	5	5	Excellent solution and documentation
Quality of report.md including use of graphics	3	3	
Quality of code reporting	3	3	
Quality of video presentation	3	3	
Total qualitative criteria	14	14	
Quant Weight (75)	75	75	Calibration
Qual Weight (25)	25	25	
Total Score	100	100	
Rank (1-5)	1	5	
Comments			
Minor hitches due to spurious range values. Sensors on R and L side. Centers between walls. Gaps are an issue.			