

Quest Rubric No: 4		6	
Objective criteria (0/1, 1=met)	Rating	Max	Comments
Uses PID for speed control holding a fixed speed setpoint after startup and before slowdown	1	1	Hard to tell in video
Stops within 20 cm of end without collision	1	1	
Start and stop instructions issued wirelessly from phone, laptop or ESP	1	1	
Measures wheel speed	1	1	Hard to tell in video
Uses alpha display to show elapsed time	1	1	
Successfully traverses A-B or B-A in one go, no hits or nudges, no collisions	3	3	Uses pretty short track. Not testing on long stretch
Successfully reverses direction (auto or remote control), no hits or nudges	1	1	
Total objective criteria		9	9
Qualitative criteria	Rating	Max	
Quality of solution	3	5	Self-driving is a little herky-jerky.
Quality of summary readme.md including use of graphics	3	3	
Quality of code reporting	2	3	Please put names in code headers. The main esp c file would be improved by more comments delineating the various functions of the overall program (corresponding to the readme units).
Quality of video presentation	3	3	Better if you really try to show all objective criteria in demo.
Total qualitative criteria		11	14
Quant Weight (75)	75	75	
Qual Weight (25)	20	25	
Total Score	95	100	
Rank (1-4)	2	1	
Comments			
Block diagram doesn't show wheel sensor...			