

PROJECT SPECIFICATION

Create a Line Follower Robot

Reference

R = Require Improvements

M = Meeting Expectation

E = Exceed Expectation

Documentations

Specifications	Result			Comments
	R	M	E	
The project report is self-explanatory. Any supplementary materials, charts and graphs should be referenced clearly. The flow of the project should be logical and easy to follow.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The project report should at least document 1 critical decision/design in both hardware and software parts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Sensors and Output Usage

Specifications	Result			Comments
	R	M	E	
The robot should make use of at least 2 sensors. The two sensors could be of same type or different types but they should have different purpose instead of just act as fail-safe purpose.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The robot should make use of at least 1 output devices. Examples are motor for movements, light or buzzer for debug and testing purpose.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Software Design

Specifications	Result			Comments
	R	M	E	
The software of the robot should make use of loops, and if-else control flow.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The algorithm is described clear and understandable. The logic flow can be easily followed. Graphs or flow chart are used when suitable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The software should be easy to understand by fresh eyes, including well-defined variable or sensor names.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Performance Tuning

Specifications	Result			Comments
	R	M	E	
The program should structure in a way that is easy to be adjusted. For example, when the robot is moved to a dark or sunny position, it can be adjusted conveniently and function properly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	