

# STAGE ASSESSMENT

## [Arduino]

**CONTENT:** Making a Tracing Line Car by yourselves, you can use any tools (book, Internet, etc.), but not include leaving it to others.

**DDL:** 26/12/2021

### Scoring table

NO	Function Description	Function	Points	Remark
1	Move (including forwards, backwards, turnRight, turnLeft)	forwards	5	
		backwards	5	
		turnRight	5	
		turnLeft	5	
2	Forward Obstacle Avoidance (if there is something ahead, just stop the car)	stop	10	
3	Line Tracing (easy line tracing including straight line and right angle turn)	Tracing straight line	20	
		Turn successfully	20	
4	Indicator Light (When moving, turn on the green light, and when stop, turn on the red light)	green	5	
		red	5	

Appendix1:

NO	Function Description	Function	Points	Scores
1	Move (including forwards,backwards,turnRight,turnLeft)	forwards	5	
		backwards	5	
		turnRight	5	
		turnLeft	5	
2	Forward Obstacle Avoidance (if there is something ahead,just stop the car)	stop	10	
3	Line Tracing (easy line tracing including straight line and right angle turn)	Tracing straight line	20	
		Turn successfully	20	
4	Indicator Light (When moving,turn on the green light ,and when stop,turn on the red light)	green	5	
		red	5	