Breadboard Demo	Semester: SP 25	
Team No. <u>13</u>	Reviewer: OELZE	

Demo should include a circuit with a microprocessor on a devboard or PCB that is connected to a project subsystem. The microprocessor should have a downloaded program in its memory. The program should control the subsystem or receive data from it. The data should be displayed on a pc or other display. The project team should be able to describe the circuit and justify design choices. They should be able to explain how the circuit fits in to the project.

Full Credit: The circuit works and is of adequate complexity. A good explanation its features is given by team.

Point Reductions

Circuit fails to work:

Circuit lacks complexity:

Circuit seems inappropriate for project:

Explanation lacks clarity:

No circuit

No show

Breadboard Demo Grade:

-2 -2 -10 -20

20/20

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Breadboard Demo Checklist

Project No.

Microprocessor

Comm.	Protocol
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I2C	125
SPI	
UART	

Wireless

and any car and a	
Wi-fi	
Bluetooth	$X \to X$
433/900 MHz	

Power Subsystem

Sourse	1
Lab PS	
Battery	
Comm. DC PS	
110 VAC/Variac	

Regulator	
Linear	X
Switching	
Voltages	
Currents	

[Subsystem 1	Subsystem 2
Function		
Motor		
Actuator	K I	Real of the grant of the second se Second second
Light or sound source		
LED		
Speaker		
Sensor		
IR		
lidar		
radar		
Ultrasonic		
DAC - RUNNING ; SU	JITCHES	ter og ut i sen er

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