# Breadboard Demo Semester: Reviewer:\_Fliflet Team No. 52

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:	-2
Circuit lacks complexity:	-2
Circuit seems inappropriate for project:	-2
Explanation lacks clarity:	-2
No circuit	-10
No show	-20

Breadboard Demo Grade:

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Breadboard Demo Checklist Project No. 52

#### Microprocessor .....

ATMega	
STM32	
ESP32	V
Other	
Dev board	V
PCB	

Comm. Protocol		- 11 Al
12C		
SPI		
UART	- A	11
Wireless 1-V	vir prik	res
433/900 MHz		land
Bluetooth		Gener
Wi-fi		

#### **Power Subsystem**

#### Sourse

Lab PS	
Battery	
Comm. DC PS	
110 VAC/Variac	

### Regulator

Linear	
Switching	
Voltages	
Currents	

	Subsystem 1	Subsystem 2
Function	rain of	
Motor	( Providence of the second sec	
Actuator		
Light or sound source		
LED		
Speaker	1	
Sensor	V	
IR		
lidar		
radar	-	
Ultrasonic		
Comments HUM Serlor	, V	
temperature	$\sim$	

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