SYDE Prototype Safety Checklist

Group number:

Prototype Description:

Instructions: Answer all the following questions by writing yes or no. If unsure, answer yes. This form must be reviewed by your Instructor before you can publicly display your prototype.

Does your prototype:	Yes/ No
include any circuitry that you designed or built by yourself?	
include any circuitry that is not enclosed in an approved plastic or metal box?	
have a 120V AC power supply/adapter that is not approved by CSA, UL, ULC, or ESA?	
involve any other 120V AC circuitry/device that is not approved by CSA, UL, ULC, or ESA?	
involve circuitry that is not connected to its power supply with a fuse and a switch?	
use high-capacity or high-density (e.g., lithium-ion or lead-acid) batteries?	
have exposed moving parts that may pinch, hit, or crush a person?	
have parts that are top-heavy and risk falling over?	
have exposed sharp edges or points?	
use strobe lights or unprotected lasers of any class?	
involve projectiles or any part that can fly?	

use high-pressure gases or liquids?	
emit dangerously loud sounds?	
involve accessible components that reach temperatures above 40C or below 0C	
emit non-trivial amounts of RF radiation?	
involve irritating/dangerous chemicals, any biological materials, or any food/drink	
involve x-rays or radioactive materials?	
eject gas, particles, or fluids into the environment?	
involve the collection of personal data, biometrics, or other data?	
involve any other hazard? Describe:	

SYDE Engineering Inspection Report

☐ Prototype is **deemed to be acceptable** in its current state for public display.
☐ Prototype is deemed to be **conditionally acceptable**, and another inspection is not required if suggested changes are implemented. **See recommended changes below.**
☐ Prototype is deemed to be **unsafe in its current state** and requires another inspection after changes are made. **See required changes below**.

_____
Reviewed By

_____
Signature

_____
Date

Required Changes: