## ROBOTICS LAB
### Student Safety Inspection Sheet

Break group into teams and complete this safety inspections sheet for the lab.
Circle the correct response. **S** – Satisfactory  **U** - Unsatisfactory  **NA** - Not Applicable.

On the back of the sheet identify any unsatisfactory conditions and suggest ways to improve the facility.

### General Facility Safety

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ROBOTICS LAB
Student Safety Inspection Sheet

Storage Facility Safety

21. S U NA Storage racks and shelf are designed and constructed to meet storage requirements.
22. S U NA Materials are stored in a safe manner.
23. S U NA Students and instructors are protected from protruding materials and sharp edges.
24. S U NA All flammables and combustible liquids, toxics, and caustics are stored securely in proper containers, identified by name and degree of hazard.
25. S U NA Fire approved storage cabinets are provided for all flammable and combustible liquids.

Electrical Safety

26. S U NA All power and wiring is installed and maintained in accordance with national electrical code and -
   a. S U NA a. Switches are enclosed.
   b. S U NA b. Circuits are identified.
   c. S U NA c. All power cords are of proper length and determined by gauge and load.
   d. S U NA d. Power supplies are provided with overload protection.
   e. S U NA e. Lockouts are provided.
27. S U NA All outlets and machines are grounded.
28. S U NA All extension cords are provided with three pronged plugs, except those which are double insulated.
29. S U NA Readily accessible individual “off” and “on” controls are installed on all machines as well as in the room power control panel.
30. S U NA A master control “Panic Stop System” is available and conveniently located in each laboratory to shut off power.
31. S U NA Laboratory power panels have clearly identified individual power switches for each machine.
32. S U NA All hand held portable power tools are equipped with “dead man” controls only.
33. S U NA Regulators, stands and pilot lights are provided for all electrical soldering irons.
34. S U NA All electrical apparatus in areas of concentrated vapors are vapor proof.
## ROBOTICS LAB
### Student Safety Inspection Sheet

**Equipment Safety**

35. **S** **U** **NA**  
Safety instructions for each machine are posted.

36. **S** **U** **NA**  
Machines are in safe operating condition at all times.

37. **S** **U** **NA**  
“Out of order” signs are secured to machines not in working condition and the power panel switch is in the “off” position.

38. **S** **U** **NA**  
All machines are securely fastened in place.

39. **S** **U** **NA**  
Machines and equipment are provided with guards meeting industrial standards and guards are in proper position for safe machine operation.

40. **S** **U** **NA**  
Equipment control switches are readily accessible to the operator while he/she is in a normal operating position.

41. **S** **U** **NA**  
A positive “off” position switch is located on each machine.

42. **S** **U** **NA**  
Proper tools and materials are available for machine cleaning.

43. **S** **U** **NA**  
Hand tool equipment is stored with sharp cutting edges protected.

44. **S** **U** **NA**  
Hand tools are properly maintained and sharp.

45. **S** **U** **NA**  
Bench tops are appropriate for the planned activities.