1. **OSHA -** With the Occupational Safety and Health Act of 1970, Congress created the Occupational Safety and Health Administration (OSHA) to assure safe and healthful working conditions for working men and women by setting and enforcing standards and by providing training, outreach, education and assistance.
2. **ANSI** - American National Standards Institute (ANSI) is a private non-profit organization that oversees the development of voluntary consensus standards for products, services, processes, systems, and personnel in the United States.
3. **NIOSH** – The National Institute for Occupational Safety and Health (NIOSH) is responsible for conducting research and making recommendations for the prevention of work-related injury and illness.
4. **operating work envelope** – The work envelope is the range of movement of a robot. It is the shape created when a manipulator reaches forward, backward, up and down. These distances are determined by the length of a robot's arm and the design of its axes.
5. **end-effector** - An end-effector is an accessory tool specifically designed for attachment to a robot wrist to enable the robot to perform its intended task.
6. **Teach pendant** – A device needed to control an industrial robot remotely. The device allows its controller to work with robots without the need for tethering to a fixed terminal.