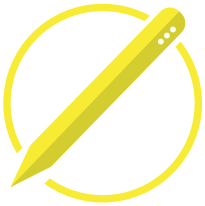
TYPES OF ROBOTS
in our community

INDUSTRIAL ROBOTS

An automatically controlled, reprogrammable multipurpose manipulator, programmable in three or more axes, which may be either fixed in place or mobile for use in industry automation applications.[ISO definition]
Examples: welding, material handling, and assembly robots.

EDUCATIONAL ROBOTS



Robots used in classrooms and other settings that assist with learning or that diagnose or treat learning disabilities.
Examples: learning games/tutors, adaptive therapeutic programs, and educational competition robots

MEDICAL ROBOTS

Robots used in hospitals, pharmacies, and care centers to automate processes that increase health and safety and improve outcomes for patients.
Examples: robotic surgeons, pharmacy robots, and assistive robots

SERVICE ROBOTS

Robots that repetitively perform the same or similar tasks based on received instructions.
Examples: satellites and drones that remote sense or collect data automatically, self-driving tractors, and search engines and other virtual software agents

MILITARY/CIVIL SERVICE ROBOTS

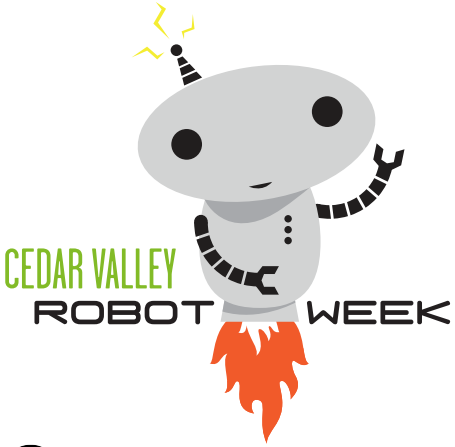
Robots used by the military, police, firefighters and other civil service areas to maintain security and safety of the public.
Examples: bomb disposal robots, automated transportation, drones

ENTERTAINMENT ROBOTS

Robots that complete tasks related to recreation activities.
Examples: toys, hobby robots, timelapse cameras, and virtual software agents that recommend movie picks

HOUSEHOLD/PERSONAL ROBOTS

Robots designed to serve one person or in the home.
Examples: Roomba, smart home surveillance, alarm clock, and dusk-to-dawn lights



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