










Mechatronic Lab
32/C04B (408 SF)

Nro.	Equipment Name	Function / utilization
1	Sawyer Robot Arm Rethink Robotics®  A red and black industrial robot arm with a gripper, mounted on a black base. It is positioned in a laboratory setting with a yellow storage bin in the background.	Expose and educate students in mechatronics / robotics. Strengthen and support students' skills and develop their knowledge through the creation, design, assembly, and operation of robots.
2	TINKERKIT BRACCIO ARDUINO ROBOTIC ARM (New)  A bright orange robotic arm with a gripper, mounted on a wooden base. It is shown against a white background.	Strengthen and support students' skills and develop their knowledge through the creation, design, assembly, and operation of robots.
3	LOBOT STM32 Open Source DIY RC Robot Arm APP/Stick Control Compatible With-Arduino- (New)  A blue and black robotic arm with a gripper, mounted on a black base. It is shown next to a black PCB with various electronic components.	Expose and educate students in mechatronics / robotics.

4	<p>Robotics Sensor & Motor Training Kit</p>  <p>The image shows two red printed circuit boards (PCBs) side-by-side. The left board is labeled 'Sensor Training Board' and features a digital display showing '8.8.8.8'. The right board is labeled 'Motor Training Board' and has various electronic components and connectors.</p>	<p>Expose and educate students in mechatronics / robotics.</p>
5	<p>WLKATA Mirobot New Education Kit – 6-Axis Mini Industrial Robot for Education (New)</p>  <p>The image shows a compact, 6-axis industrial robot arm. It has a black base and a main arm with orange and black segments. The end effector is a black gripper.</p>	<p>Train and support students in the development of their knowledge and skill in mechatronic and robotics.</p>
6	<p>PhantomX Pincher Robot Arm Kit Mark II - Turtlebot Arm (New)</p>  <p>The image shows a silver and black 6-axis robot arm. It has a black base and a main arm with silver and black segments. The end effector is a black pincher.</p>	<p>Train and support students in the development of their knowledge and skill in mechatronic and robotics.</p>
7	<p>ELEGOO UNO Project Super Starter Kit with Tutorial and UNO R3 Compatible with Arduino IDE (New)</p>  <p>The image shows a collection of electronic components for an Arduino Uno project kit. It includes an Arduino Uno R3 board, a breadboard, various resistors, jumper wires, a digital display, and other small components.</p>	<p>Train and support students in the development of their knowledge and skill in mechatronic and robotics.</p>

8	<p>Mass Spring Damper (MSD) System</p> 	<p>Train students in the modeling of a mass spring damper physical system with a second order differential equation block diagram model using VisSim.</p>
9	<p>Work Station</p> 	<p>Work Station are used for student design and simulations practices.</p>