

Robotics Laboratory Setup



MAKE - AK LABS

A complete Robotics Laboratory Setup designed for schools, senior secondary institutions, and colleges. The laboratory includes robotics kits, programmable controllers, sensors, actuators, electronic components, coding workstations, modular furniture, and testing equipment to provide hands-on learning in robotics, automation, AI, and STEM education.

LAB SOLUTION SPECIFICATION

Suitable For	Schools, Senior Secondary & Colleges
Laboratory Type	Complete Robotics Laboratory Setup
Learning Areas	Robotics, Automation, Coding, AI, IoT & Embedded Systems
Furniture	Modular Workstations with Storage Cabinets
Equipment Included	Robotics Kits, Controllers, Sensors, Motors & Electronic Components
Safety Features	Electrical Safety, Tool Storage, First Aid Compatibility & Fire Extinguisher Provision
Customization	Layout, Furniture & Equipment as per Room Size and Curriculum

LAB SOLUTION DETAILS

The **Robotics Laboratory Setup** is a comprehensive learning solution developed to introduce students to the fundamentals of robotics, automation, embedded systems, artificial intelligence, Internet of Things (IoT), and programming. The laboratory encourages innovation, creativity, logical thinking, and practical problem-solving through

project-based learning and real-world applications.

The setup includes modular laboratory furniture, student workstations, robotics kits, programmable microcontrollers, sensors, motors, actuators, development boards, electronic components, soldering stations, testing instruments, laptops/workstations (optional), and storage solutions. Designed with safety, flexibility, and future expansion in mind, the laboratory supports beginners as well as advanced robotics projects.

The laboratory can be customized according to available space, student capacity, educational curriculum, and institutional requirements. Whether establishing a new robotics laboratory or upgrading an existing facility, this solution provides a modern environment for practical robotics education and innovation.

Included Furniture & Equipment

	Teacher's Demonstration Laboratory Desk A premium, highly visible instructor's laboratory desk featuring an emergency eye-wash station, integrated utility gas/water taps, and high-security storage for live classroom experiment demonstrations.
	Ergonomic Lab High-Stool with Foot Ring Premium height-adjustable laboratory high-stool featuring a 360-degree footrest ring, smooth caster wheels, and an ergonomic molded shell—engineered specifically for high-counter island workbenches.
	Sleek Cantilever Laboratory Chair Modern cantilever-frame laboratory chair providing premium flex-comfort, a minimalist profile, and a durable steel base engineered for high-end college lecture and practical rooms.