

STEM Laboratory Setup



MAKE - AK LABS

A complete STEM Laboratory Setup designed for schools to promote hands-on, inquiry-based learning in Science, Technology, Engineering, and Mathematics (STEM). The laboratory includes STEM kits, robotics, coding tools, engineering models, electronics, AI & IoT learning modules, modular furniture, and maker-space equipment for experiential education.

LAB SOLUTION SPECIFICATION

Suitable For	Schools & Educational Institutions
Laboratory Type	Complete STEM Laboratory Setup
Learning Areas	Science, Technology, Engineering & Mathematics (STEM)
Furniture	Modular Workstations with Storage Cabinets
Equipment Included	Robotics Kits, Electronics Modules, Coding Tools, AI & IoT Kits, Engineering Models & STEM Experiment Kits
Safety Features	Electrical Safety, Secure Tool Storage, First Aid Compatibility & Fire Extinguisher Provision
Customization	Layout, Furniture & Equipment as per School Requirements

LAB SOLUTION DETAILS

The **STEM Laboratory Setup** is a comprehensive learning solution developed to enhance practical education through interdisciplinary STEM learning. Designed for schools, the laboratory encourages students to explore scientific concepts, engineering design, coding,

robotics, electronics, artificial intelligence, Internet of Things (IoT), and mathematical applications through project-based activities and real-world problem-solving.

The laboratory features modular workstations, teacher demonstration tables, storage cabinets, robotics kits, programmable controllers, electronics modules, engineering experiment kits, AI and IoT learning platforms, coding resources, 3D printing solutions (optional), STEM models, maker tools, and digital learning resources. Every component is selected to develop creativity, collaboration, computational thinking, and innovation while supporting modern educational standards.

The laboratory can be customized according to classroom size, student capacity, curriculum requirements, and institutional objectives. Whether establishing a new STEM laboratory or upgrading an existing innovation space, this complete solution provides a future-ready environment that prepares students for careers in science, engineering, and emerging technologies.