

ATL (Atal Tinkering Lab) Setup



MAKE - AK LABS

A complete ATL (Atal Tinkering Lab) Setup designed for schools to promote innovation, creativity, design thinking, robotics, coding, electronics, artificial intelligence, IoT, and STEM education. The laboratory includes modular furniture, maker tools, robotics kits, electronic components, 3D printing solutions, and safety accessories for hands-on learning.

LAB SOLUTION SPECIFICATION

Suitable For	Schools & Educational Institutions
Laboratory Type	Complete ATL (Atal Tinkering Lab) Setup
Learning Areas	Robotics, Coding, AI, IoT, Electronics & STEM
Furniture	Modular Workstations with Storage Cabinets
Equipment Included	Robotics Kits, Sensors, Electronics, Maker Tools & 3D Printing Solutions
Safety Features	Electrical Safety, Tool Storage, First Aid Compatibility & Fire Extinguisher Provision
Customization	Layout, Furniture & Equipment as per School Requirements

LAB SOLUTION DETAILS

The **ATL (Atal Tinkering Lab) Setup** is a comprehensive innovation laboratory designed in line with the objectives of the Atal Innovation Mission (AIM) to encourage scientific temperament, creativity, and problem-solving skills among students. The lab provides an engaging environment where learners can explore robotics, electronics, coding, artificial intelligence, Internet of Things (IoT), mechanical design, rapid prototyping, and STEM-

based projects.

The setup includes modular laboratory furniture, workstations, robotics kits, microcontroller development boards, sensors, electronic components, 3D printers, hand tools, testing instruments, laptops/workstations (optional), and storage solutions. Every component is selected to provide a safe, organized, and collaborative workspace that supports project-based learning and innovation.

The laboratory can be customized according to available space, student strength, curriculum requirements, and school specifications. Whether setting up a new ATL or upgrading an existing innovation lab, this complete solution ensures a modern, future-ready learning environment for young innovators.

Included Furniture & Equipment



Advanced Physics & Electronics Workbench

Non-conductive, shock-proof laboratory table equipped with an integrated multi-point electrical raceway and elevated console shelf, tailor-made for safe school and college physics experiments.