

# Ahmedabad University Opens 24x7 Student-Managed Tinkerers' Lab Equipped with Cutting-Edge Tools

Category: Business

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Study in engineering and applied science is inherently hands-on. Learning concepts must go hand in hand with applying them, testing them, and building real solutions. The Tinkerers Lab at [Ahmedabad University](#) offers students access to cutting-edge tools and the agency to turn their ideas into working prototypes, whether for academic coursework, entrepreneurial ventures, or national competitions. For students ready to commercialise their innovations, the Lab also provides a direct pathway to [VentureStudio](#), the University's incubation hub.



**Fully managed by students, the Lab offers access to cutting-edge tools and the agency to engage in hands-on making and prototyping**

Launched in collaboration with the Maker Bhavan Foundation, AIA Engineering Ltd., and Arvind Composites, the Lab is open 24/7 and fully student-managed. It features industrial-grade equipment including 3D printers, laser cutters, electronics workstations, machine tools, hand tools, and precision measurement instruments. A variety of materials and consumables are also available, enabling students to build working solutions around the clock.

*"Tinkering is not just about tools; it is about mindset. This Lab gives you the freedom to try, fail, learn, and build again. It is how real engineering happens,"* said **Piyush Shah, founding member of Hitachi Hi-Rel and contributor to the Maker Bhavan Foundation.** *"This Lab offers Ahmedabad University students another space for experiential learning, enabling them to contribute to India's innovation story."*

The Tinkerers' Lab is housed within Ahmedabad University's

[School of Engineering and Applied Science](#). Students also have access to the Department of Science and Technology (DST)-supported PRAYAS Shala and a Fabrication Shop. This is further supported by strong industry linkages for live projects and internships, creating an environment where learning meets doing.

**Professor Sunil Kale, Dean of the School of Engineering and Applied Science, Ahmedabad University,** said, *“At Ahmedabad University, we are building an academic ecosystem that promotes active, hands-on, and experiential learning. The Tinkerers’ Lab is an important part of this ecosystem, giving students and the community at large the opportunity to engage directly with materials, tools, and technologies as they learn to engineer solutions and think creatively across disciplines.”*

**Damayanti Bhattacharya, CEO of Maker Bhavan Foundation,** emphasised the importance of enabling such spaces across Indian campuses, *“The Tinkerers’ Lab reflects our commitment to future-focused skilling and innovation. We want our students to be fearless in experimenting, deliberate in designing, and thoughtful in solving the world’s pressing challenges. This space invites them to move from consuming knowledge to creating it.”*

Maker Bhavan Foundation works with Indian universities to build cutting-edge maker spaces and foster hands-on learning to develop engineers who solve real-world challenges.

The Lab will also integrate with LEAP (Learning Engineering by Activity through Projects), a programme developed by the IIT Madras Incubation Cell. LEAP will introduce immersive student workshops, faculty training, and project-based learning modules to embed hands-on engineering deeply into the curriculum.

AIA Engineering, one of Gujarat’s leading engineering

companies, has extended its support to the initiative as part of its long-standing commitment to technical education and capacity building.

Arvind Composites, one of India's leading manufacturers of fibre reinforced composites, fabricated a uniquely designed mezzanine floor at the Lab using advanced composite materials, reducing structural weight by nearly one-third compared to conventional construction.

The Lab will be open to all engineering students at Ahmedabad University starting this semester. Students can participate in LEAP boot camps, interdisciplinary build-a-thons, and ongoing mentoring programmes that focus on real-world application of engineering principles.

### **About Ahmedabad University**

Ahmedabad University is a leading private, non-profit research university offering students a liberal education focused on interdisciplinary learning, practice orientation, and research thinking.

The University has been

- Recognised by the Government of Gujarat as a Centre of Excellence.
- Accredited with A grade by the National Assessment and Accreditation Council (NAAC).
- Awarded Leadership and Management Team of the Year at the Times Higher Education Awards Asia 2025.
- Awarded a 5-star rating, the highest awarded in the Gujarat State Institutional Rating Framework (GSIRF) for 2021-22 and 2023-24, by the Knowledge Consortium of Gujarat (KCG), Department of Education, Government of Gujarat.

- Awarded the Royal Institute of British Architects (RIBA) International Award for Excellence 2024 for our University Centre.
- Awarded a Platinum Rating by the Indian Green Building Council for sustainability and green practices.
- Recognised by the UGC under Section 12(B) of the UGC Act, becoming one of the very few private research universities to have been awarded this recognition for select research universities.
- Recognised as a Highly Commended University for Teaching and Learning Strategy of the Year in the Times Higher Education (THE) Awards Asia 2023.
- Awarded the AACSB's Innovations That Inspire Award 2023 for its Foundation Programme.
- Awarded Gold Rating by the Indian Green Building Council for achieving the Green Building Standards at our University Centre.

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The University, established in 2009, is rooted in the vision of one of India's finest educational foundations, the Ahmedabad Education Society, which was founded in 1935 by nationalist leaders. Programmes at the University range from bachelors to doctoral levels in humanities and social sciences, natural sciences, engineering, and management through its 13 Schools and Centres:

Amrut Mody School of Management | Bagchi School of Public Health | School of Arts and Sciences | School of Engineering and Applied Science | Ahmedabad Design Lab | Centre for Heritage Management | Centre for Inter-Asian Research | Centre for Learning Futures | Global Centre for Environment and Energy | International Centre for Space and Cosmology |

An urban university, Ahmedabad promotes independent-mindedness and diversity across all dimensions of its activity and helps students mature into critical thinkers who are analytically equipped, practically oriented, and contextually aware global citizens. The University provides a contemporary educational framework that brings liberal arts, sciences, and the professions to engage together in creating new knowledge for addressing complex challenges of the society and in offering majors that merge the boundaries of disciplines to prepare students for the new economy.

