Sahi Rasa: Bridging Theory and Application Since 2008

Transforming Iran's technical education landscape through turnkey laboratory solutions, training programs, and industrial partnerships that empower the next generation of engineers and researchers.

Our Journey & Core Philosophy

Founded in Tehran in 2008, Sahi Rasa emerged from a vision to connect academic theory with practical application in Iran's growing technology sectors. What began as supplying training boards to regional institutes has evolved into comprehensive laboratory design, installation, and training programs nationwide.

Our Three Pillars

Technical Excellence

Precision engineering and reliable performance in every solution

Educational Empowerment

Enabling hands-on, practical skills development

Long-term Partnerships

Ongoing training, support, and technology updates

Comprehensive Laboratory Solutions

Our expertise spans traditional and emerging technical fields, providing institutions with state-of-the-art learning environments.
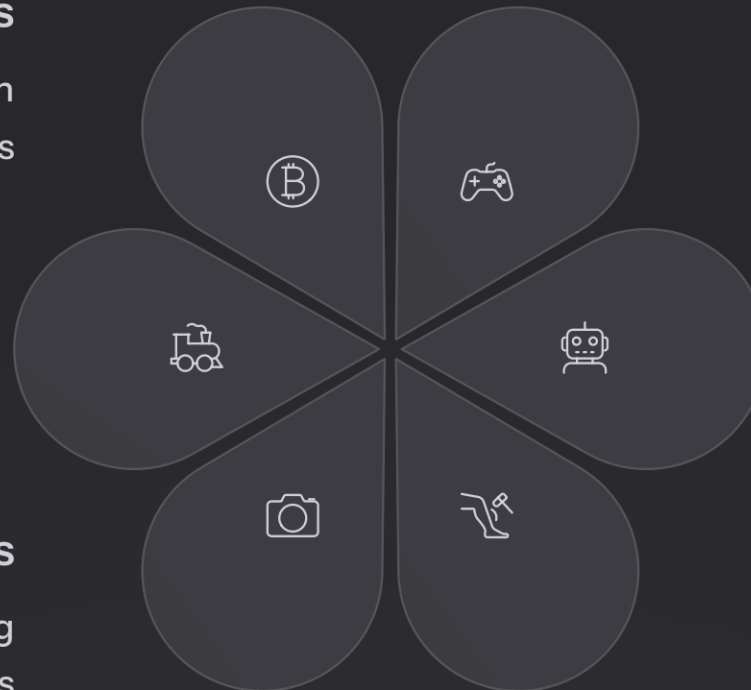
Logic Circuit Labs

Digital electronics fundamentals with FPGA trainers

Automotive Labs

Engine diagnostics and mechatronics simulators

Image Processing Labs

Computer vision and AI-based imaging systems
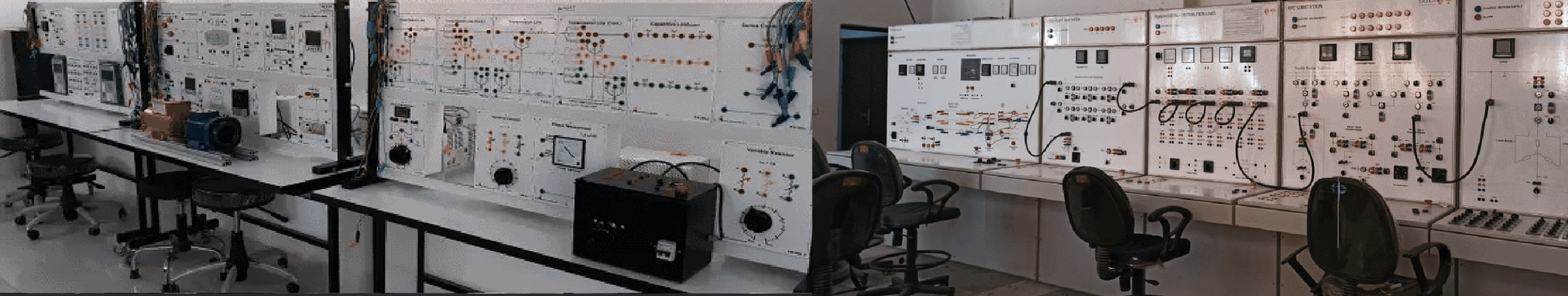
Linear Control Labs

System modeling with servo motors and PID controllers

Robotics Labs

Humanoid robots and ROS programming environments

PLC Labs

Industrial automation with multiple PLC platforms

Emerging Technology Laboratories

Renewable Energy Laboratory

Solar PV, wind turbines, and hybrid systems for sustainable energy training with grid-tied simulators

Industrial IoT Laboratory

Cloud data analytics and sensor networks with end-to-end IoT pipelines for predictive maintenance

Biomedical Engineering Laboratory

Medical devices, biosensors, and simulation tools with ECG simulators and bio-signal analysis

Materials Testing Laboratory

Tensile testers, hardness measurement tools, and metallurgical microscopes for materials research

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Flagship Project: Digital Foundations Laboratory

Technical Training Institute – Sanandaj

- 12 FPGA-based training stations with comprehensive digital design capabilities

- Logic analyzers and probes for circuit debugging and verification

- Simulation PCs with industry-standard EDA software suites

- Capacity for 60 students with 5:1 student-to-equipment ratio

- Custom curriculum development with Persian-language materials

- Faculty training program and ongoing technical support

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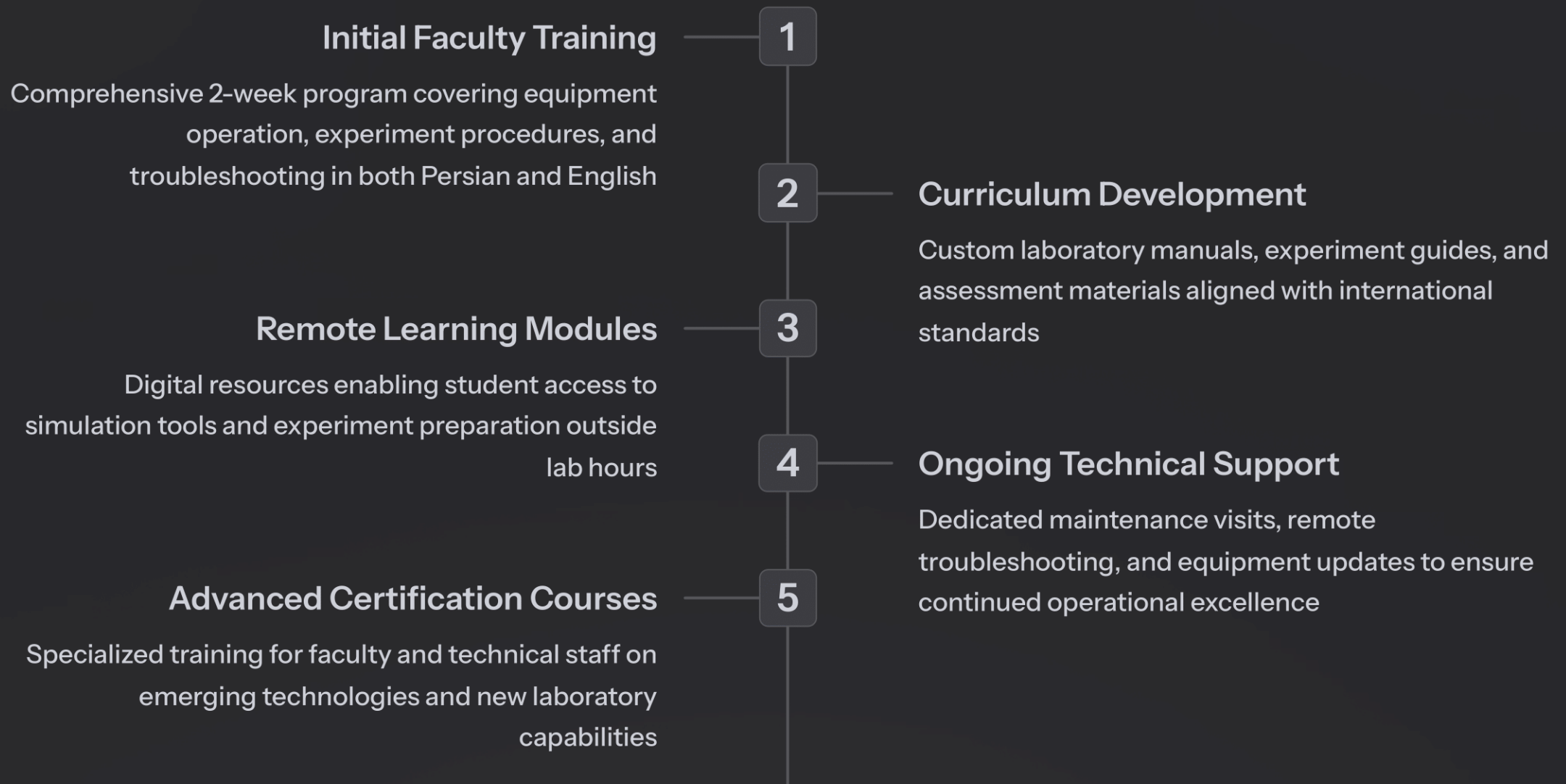# Flagship Project: Advanced Robotics Laboratory

Amirkabir University

Our comprehensive robotics solution enables students to gain practical experience with cutting-edge automation technologies:

- Six-axis robotic arms with industrial controllers
- Autonomous mobile robots equipped with LIDAR sensors
- Vision-guided control systems for object recognition
- ROS (Robot Operating System) programming environment
- Simulation software for testing before physical implementation
- Industry-relevant project frameworks for senior design

Educational Support & Training Programs

Initial Faculty Training — 1

Comprehensive 2-week program covering equipment operation, experiment procedures, and troubleshooting in both Persian and English

2 — **Curriculum Development**

Custom laboratory manuals, experiment guides, and assessment materials aligned with international standards

Remote Learning Modules — 3

Digital resources enabling student access to simulation tools and experiment preparation outside lab hours

4 — **Ongoing Technical Support**

Dedicated maintenance visits, remote troubleshooting, and equipment updates to ensure continued operational excellence

Advanced Certification Courses — 5

Specialized training for faculty and technical staff on emerging technologies and new laboratory capabilities

Every Sahi Rasa installation includes a comprehensive support package ensuring maximum educational impact and equipment longevity.

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Our National Footprint

Over 15 years, Sahi Rasa has established partnerships with leading educational institutions across Iran, equipping more than 50 specialized laboratories nationwide.

15+

Major Universities

Including University of Tehran, Amirkabir University, and Sharif University of Technology

50+

Labs Installed

Across 14 different technical disciplines from electronics to biomedical engineering

5000+

Students Impacted

Annually gaining hands-on experience with industry-relevant technology

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Why Partner with Sahi Rasa?

One-Stop Solution

From initial consultation through design, installation, training, and ongoing support

Innovation Focus

Continuous integration of emerging technologies and global best practices

Sustainability Commitment

Eco-friendly lab designs and energy-efficient equipment selections

Sahi Rasa doesn't just deliver equipment—they create educational ecosystems that transform how our students learn. Their laboratories bridge the gap between theory and real-world application.

— Engineering Dean, University of Tabriz

Our comprehensive approach ensures that your investment creates lasting educational value and prepares students for industry demands.

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Connect With Sahi Rasa

Ready to transform your technical education capabilities?

Contact our expert team to discuss your specific laboratory needs and discover how Sahi Rasa's turnkey solutions can empower your institution.

Laboratory Design Consultation

Expert assessment of your space, curriculum requirements, and budget

Custom Equipment Specification

Tailored solutions matching your educational objectives and industry alignment

Training Program Development

Faculty empowerment ensuring maximum educational impact

Headquarters: Tehran, Iran
Serving educational institutions nationwide since 2008

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