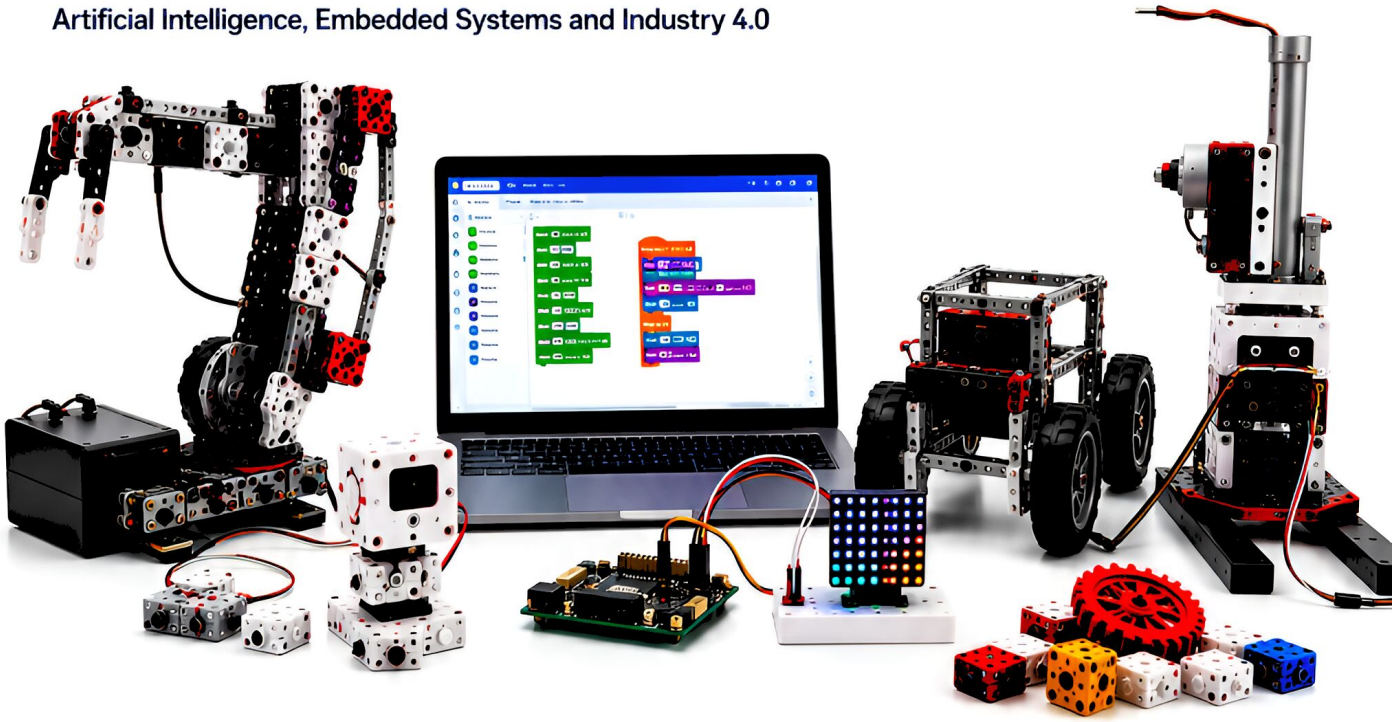
Leotechsa
ROBOTICS

ENGINEERING THE FUTURE.
EMPOWERING MINDS.

INDUSTRY-INSPIRED ENGINEERING LEARNING ECOSYSTEMS

Preparing Future Innovators through Robotics,
Artificial Intelligence, Embedded Systems and Industry 4.0



ROBOTICS

Hands-on robotic systems inspired by industrial automation.

ARTIFICIAL INTELLIGENCE

Computer vision, AI and autonomous decision-making.

EMBEDDED SYSTEMS

Electronics, sensors, firmware and real engineering applications.

INDUSTRY 4.0

Preparing students for the technologies shaping tomorrow's industries.

DESIGNED BY ENGINEERS • INSPIRED BY INDUSTRY • BUILT FOR FUTURE INNOVATORS

FROM STEM FOUNDATIONS TO INDUSTRIAL ROBOTICS

One seamless engineering learning journey inspired by real industrial applications.

STEM FOUNDATIONS

- Mechanical Design
- Programming Logic
- Sensors & Actuators
- Electronics
- Problem Solving

INDUSTRIAL ROBOTICS KNOWLEDGE

- Kinematics
- Motion Planning
- AI Vision
- Embedded Systems
- Force Control
- Autonomous Navigation
- Industry 4.0

01 STEM LEARNING

Build strong foundations with hands-on STEM learning using real-world components.

02 ADVANCED ENGINEERING PLATFORM

Progress to advanced robotics platforms and engineering systems integrating mechanics, electronics and software.

03 INDUSTRIAL ROBOTICS

Apply advanced knowledge to industrial robotics, automation systems and real-world engineering challenges.

LEARN TODAY

Build strong fundamentals through hands-on STEM concepts and creativity.

APPLY TOMORROW

Integrate technologies and solve real engineering problems with confidence.

LEAD THE FUTURE

Innovate and lead the next generation of industrial technology solutions.

BUILDING FUTURE ENGINEERS THROUGH CORE TECHNOLOGIES

AUTONOMOUS MOBILE ROBOT (AGV)

Learn real-world autonomous navigation and material handling.

INDUSTRIAL ROBOT ARM

Experience precision robotics and automation used in modern industries.

COMPUTER VISION

Vision systems and AI models for real-time object detection, tracking and inspection.

AI & EDGE PLATFORM

High performance AI computing for edge inference, robotics and smart automations.

EMBEDDED CONTROLLER

Reliable embedded systems for robotics, control and industrial applications.

INDUSTRIAL AUTOMATION

Industry-ready automation solutions aligned with Industry 4.0 standards.

DESIGNED BY ENGINEERS • INSPIRED BY INDUSTRY • BUILT FOR FUTURE INNOVATORS

ENGINEERING LEARNING PLATFORMS

A progressive learning pathway that transforms curiosity into real engineering capability.
Designed for every learner. Built for the future.

01 **EXPLORE**
Curiosity Starts Here

1 FOUNDATION SETUP

Age 5 – 6 | Up to Class-1

Early exploration of STEM concepts through fun activities and creative models.

02 **LEARN**
Build Confidence

2 ELEMENTARY SETUP

Age 7 – 11 | Class 2 – 6

Build strong foundations in mechanics, electronics and programming through hands-on engineering.

03 **CREATE**
Apply Knowledge

3 ENGINEERING FOUNDATION

Age 12 – 15 | Class 7 – 10

Explore advanced concepts in robotics, coding and automation with real-world projects.

04 **INNOVATE**
Think Beyond

4 ADVANCED SETUP

Age 16 – 18 | Class 11 – 12

Work on advanced robotics, control systems and AI applications.
Build smart and autonomous engineering solutions.

AUTONOMOUS MOBILE ROBOT (AGV)
Learn real-world autonomous navigation and material handling.

INDUSTRIAL ROBOT ARM
Experience precision robotics and automation used in modern industries.

PROGRESSIVE LEARNING
Step-by-step journey from basics to advanced engineering.

HANDS-ON APPROACH
Practical learning with real components and real results.

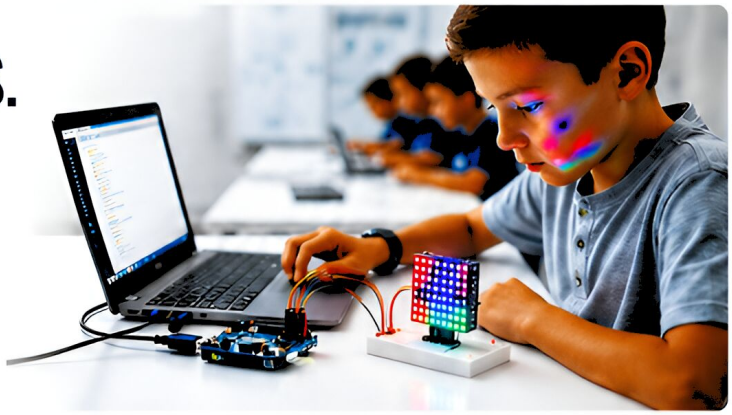
SKILL DEVELOPMENT
Build future-ready skills in robotics, AI, coding and automation.

PROJECT BASED
Industry-inspired projects that encourage creativity and problem-solving.

FUTURE READY
Preparing learners for engineering careers of tomorrow.

EMPOWERING LEARNERS. ENABLING INDUSTRIES.

Our end-to-end ecosystem bridges education and industry through innovative robotics and engineering solutions. Building skills today for a smarter, automated tomorrow.



INDUSTRY SOLUTIONS

MANUFACTURING AUTOMATION
Advanced robotics solutions to optimize production efficiency and quality.

LOGISTICS & WAREHOUSING
Autonomous mobile robots for intelligent material handling and intralogistics.

DEFENCE & SECURITY
Robotic systems designed for surveillance, safety and critical missions.

AGRICULTURE TECHNOLOGY
Smart agricultural robots for precision farming and crop management.

HEALTHCARE & REHABILITATION
Assistive and rehab robotics enhancing care, recovery and well-being.

EDUCATION & RESEARCH
STEM learning ecosystems and research platforms for future innovators.

ROBOTICS & STEM INNOVATION LAB

- 10,000 Sq. Ft. state-of-the-art facility
- Advanced robotics, AI & automation labs
- Research, prototyping & validation center
- Industry collaboration & training programs
- Innovation hub for students and professionals

INNOVATE — We inspire innovation at every step.

COLLABORATE — We build together to achieve more.

EMPOWER — We empower minds to shape the future.

INTEGRITY — We deliver with honesty and responsibility.

EXCELLENCE — We strive for excellence in everything we do.

LET'S BUILD THE FUTURE TOGETHER

Partner with Leotechsa Robotics to empower learners, transform industries and shape a smarter tomorrow.

GET IN TOUCH

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