NEP 2020

ROBOTICS & AI LAB
@ ZERO COST FOR SCHOOL

SHATRUNJAY™ ROBOTICS

making your dreams come true...

AI, IoT, Robotics, Coding with Computer Training School Program

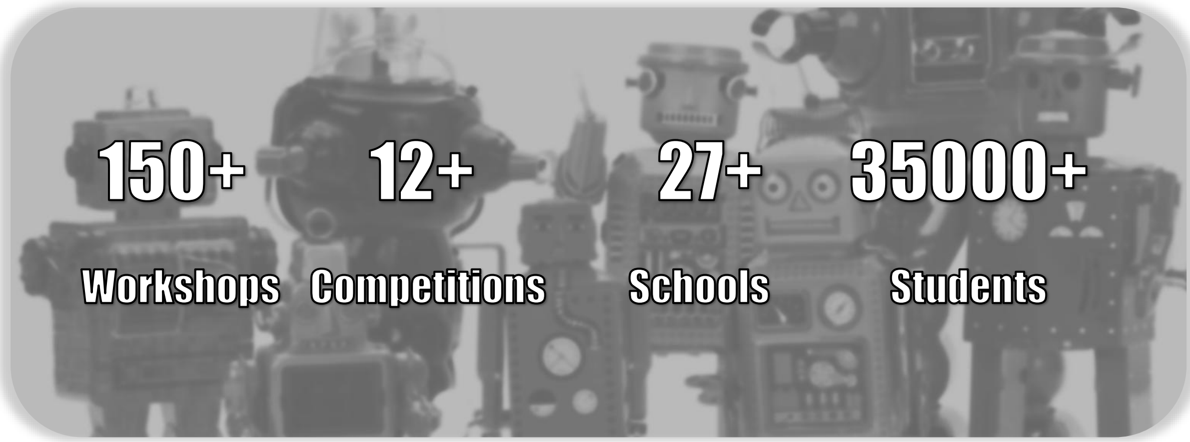
"Turning vision into Reality"

About Shatrunjay Robotics

Shatrunjay Robotics is run by **Shatrunjay Trust's.** The **Trust** was established in **1997**, is committed to transforming education by integrating the latest advancements in technology into the learning experience. Our programs focus on hands-on learning in STEM with a strong emphasis on **robotics, AI, IoT, Robotics, Coding and AR/VR**.

Shatrunjay Trust runs

- **Shatrunjay Institute, Sangli**
- **Shatrunjay Kids Point Computer School Pvt. Ltd.**
- **Goodwill English School, Pune**
- **Shatrunjay Robotics**



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शत्रुंजय म्हणजेच कौशल्यविकास

शालेय विद्यार्थ्यांसाठी 'रोबोव्हेशन 2.0 ' स्पर्धेचे आयोजन

लोकमत कॅम्पस् क्लब याचे माध्यम प्रायोजक आहेत

Dr. VINAY Sahasrabud...
19.7K Tweets

Dr. VINAY Sahasrabuddhe · 3h
Inaugurated a state-of-art robotics lab at Goodwill English School of the Shatrunjay Charitable Trust in Bibwewadi, Pune, yesterday in a bid to understand impact of #NEP2020

Heartening, that cutting-edge technologies are taken to schools as envisioned by Hon PM @narendramodi Ji

मिरज विद्या मंदिर प्रशालेत 'रोबोटिक्स'चा शुभारंभ

शत्रुंजय रोबोएशन स्पर्धा उत्साहात

'लोकमत कॅम्पस क्लब' माध्यम प्रायोजक : 30 शाळांचा सहभाग

लोकमत न्यूज नेटवर्क

पुणे : शत्रुंजय एज्युकेशनल चॅरिटेबल ट्रस्ट आणि धारेश्वर क्रीडा विद्या प्रतिष्ठान यांच्या संयुक्त विद्यमाने शत्रुंजय रोबोटिक्स 'रोबोएशन 2.0' ही भव्य स्पर्धा दि. 7 आणि 8 फेब्रुवारी रोजी मोठ्या उत्साहात पार पडली. या स्पर्धेत 30 शाळांमधील 100 हून अधिक संघांनी सहभाग घेतला होता. यामध्ये इयत्ता पहिली ते तिसरी, चौथी ते सहावी आणि सातवी ते नववी या तीन गटांमध्ये स्पर्धा घेण्यात आली.

रोबोटिक कॉम्पिटिशन, पोस्टर प्रेझेंटेशन, क्विझ आणि एक्झिबिशन हे स्पर्धेतील मुख्य आकर्षण होते. यावेळी स्पर्धेतील सर्व सहभागी विद्यार्थ्यांना सन्मानचिन्ह आणि बक्षीस देण्यात आले. तसचे विजेत्यांना ट्रॉफी, रोख रक्कम, मेडल आणि प्रशस्तिपत्र देण्यात आले. दोन दिवसांच्या उपक्रमादरम्यान शिक्षकांसाठी स्ट्रेस मॅनेजमेंट आणि रोबोटिक्स वर्कशॉपचे आयोजन करण्यात आले. विद्यार्थ्यांसाठी विशेष प्रशिक्षणही दिले गेले.

ही स्पर्धा विद्यार्थ्यांमध्ये तंत्रज्ञान

स्पर्धेतील विजेते

इयत्ता 4थी ते 6वी गट

प्रथम : चालणारा आणि बोलणारा रोबोट - गुडविल इंग्लिश स्कूल

द्वितीय : स्मार्ट होम ऑटोमेशन - गुडविल इंग्लिश स्कूल

तृतीय : सर्व प्रकारच्या जमिनीवर चालणारे यंत्र - एसपीएम स्कूल

जंगल में छिपे दुश्मन को खोजकर पलभर में खत्म कर देगा नोवा रोवर

होटल का अधिक किराया लेने पर कार्रवाई की जाएगी

सोसाइटी में बिजली न आने से परेशानी

NBT नवभारत टाइम्स

दुश्मन को दूर से ही मार गिराएगी छात्रों की गन

पुणे के स्टूडेंट्स ने मिलकर किया कमाल

अमर उजाला

रोबोट की भिड़ंत देख दर्शक हुए उत्साहित, फाइनल आज

नोएडा इंडोर स्टेडियम में 2200 से अधिक प्रतिभागी रोबोट मशीनों के साथ मैदान में उतरे

ऑपरेशन सिंदूर से प्रेरित होकर बनाया नोवा रोवर

नर्स के काम को कम और सटीक करेगा रोबोट

Our Mission

- Foster creativity, critical thinking, and problem-solving skills.
- Prepare students for careers in emerging technologies.
- Make STEM education accessible to all.

Our Vision

- Empower students with future-ready skills in STEM, IoT, AI, and Robotics.
- Shape the next generation of leaders, innovators and change-makers.
- Ridge the gap between potential and opportunity by making advanced tech educatioaccessible to all

Our Team

Our dedicated team comprises passionate educators, skilled engineers, and creative designers who simplify complex STEM concepts through engaging and accessible learning.

Our engineers & technologists develop cutting-edge tools and hands-on projects, while our designers create immersive educational content that sparks curiosity.

Why with Us

- Cutting-edge curriculum covering Robotics, AI, IoT, AR/VR, and Programming.
- Hands-on learning with 3D printers, drones, IoT kits, AR/VR devices.
- Recognised certifications to enhance academic & career prospects.
- Global exposure through national and international STEM competitions.
- AI-powered LMS with personalised learning paths & progress tracking.

Advisory Board

Shatrunjay is guided by an experienced advisory board comprising industry leaders, educators, and technology experts dedicated to advancing ARIVAC education:

- **Mr. Abhishek Todkar Mali**

B.E. (Electronics & Telecommunication)
Position: Asia Head, E. Zoller, Germany

Expertise:

- Leads global projects in aerospace, automotive, and defense sectors
- Specializes in Industry 4.0, IoT solutions, automation, and advanced manufacturing tools
- Conducted training for 30+ international projects on automation & robotics

Role in Shatrunjay Robotics:

- Advises on AI, IoT, and robotics integration in education
- Provides insights into future advancements in Industry 4.0
- Assists in designing practical, industry-aligned STEM curriculum

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- **Ms. Pranjal Paranjpee**

MBA, IIM Ahmedabad
Expert in: Electronics Engineering & Strategic Business Acumen

Expertise:

- Home automation
- Consulting in technology domains
- eCommerce industry operations

Role in Shatrunjay Robotics:

- Advises on business strategies for EdTech
- Guides E-Commerce and automation trends
- Supports curriculum development for business and technology courses

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- **Mr. Shreemukh Hankare**

M.Sc. (Electronics)
Position: Researcher, IIT Kanpur

Expertise:

- Business Analyst at Amruj Global Solutions
- Researcher at Fraunhofer ENA, Germany
- Co-founder of PIPASA Technologies

Role in Shatrunjay Robotics:

- Guides research-driven curriculum development
- Provides expertise on global market analysis
- Mentors' students in electronics and research applications

- **Mrs. Gauri Mali**

ME Electronics
Specialization: Robotics Teaching

Expertise:

- Over 18 years of teaching experience
- Coordinator for Post Diploma in Robotics and Automation

Role in Shatrunjay Robotics:

- Develops robotics and automation modules
- Guides hands-on STEM learning experiences
- Leads curriculum design for practical-based education

Their guidance ensures the **AI'S** program remains innovative, impactful, and aligned with global educational standards.

New Education Policy (NEP)

<table>
<tr><th>स्तर १ : प्रारंभिक</th><th>स्तर २ : प्रगतशील</th><th>स्तर ३ : प्रगत</th><th>स्तर ४ : प्रवीण</th></tr>
<tr><td>जीवन कौशल्य विकास कार्यक्रम राबविला जातो.</td><td></td><td>२) शाळेचे समुपदेशक विद्यार्थ्यांना मार्गदर्शन करण्यात शिक्षकांसोबत सक्रियपणे सहभागी होतात.</td><td>जीवन कौशल्ये आत्मसात केली आहेत.</td></tr>
<tr><td colspan="4">मार्गदर्शक तत्त्वे / धोरण : NEP 2020, संबंधित मंडळाने विकसित केलेली जीवनकौशल्ये माहिती पुस्तिका, संबंधित शिक्षण मंडळाने प्रसिद्ध केलेली परिपत्रके, WHO धोरण.</td></tr>
<tr><td colspan="4">पुरावे :</td></tr>
<tr><td>• जीवनकौशल्य विषयक उपक्रम अहवाल.</td><td>• शिक्षक प्रशिक्षण पुरावा</td><td>• समुपदेशकाने केलेल्या समुपदेशनाचा पुरावा</td><td>• शालेय अभिलेखे</td></tr>
<tr><td colspan="4">१.३.५ : शाळा अत्याधुनिक ज्ञान आणि भविष्यातील तंत्रज्ञानाच्या विकासाशी संबंधित संधी प्रदान करते. (उदा. आयटी, अटल टिंकरिंग लॅब, आर्टिफिशियल इंटेलिजन्स, मशिन लर्निंग, ३-डी प्रिंटिंग, आयओटी, तंत्रज्ञान, डेटा अनॅलिटिक्स, स्पेस टेक्नॉलॉजी, कृत्रिम बुद्धिमत्ता, व्यवसायिक बुद्धिमत्ता, ऑग्मेंटेड रियालिटी, व्हर्च्युअल रियालिटी, सायबर सिक्युरिटी, डेटा सायन्स, रोबोटिक्स इत्यादी.)</td></tr>
<tr><td>१) शाळेकडे तंत्रज्ञान वापराच्या योजना आहेत.</td><td>१) शाळा शिक्षक आणि कर्मचाऱ्यांना भविष्यातील तंत्रज्ञानासाठी योग्य प्रशिक्षण आणि अभिमुखता प्रशिक्षणाच्या सुविधा उपलब्ध करून देते.</td><td>१) शाळा आधुनिक तंत्रज्ञानाची ओळख करून देऊन सुनियोजित पद्धतीने नवीन तंत्रज्ञान शिकण्याच्या संधी निर्माण करते.</td><td>१) शाळा भविष्यकालीन तंत्रज्ञानाशी संबंधित क्षेत्रांमध्ये विद्यार्थ्यांना प्रकल्प-कार्य, समस्या सोडवणे, हॅकाथॉन सहभाग इत्यादींद्वारे नवीन तंत्रज्ञानाचा वापर करतात.</td></tr>
<tr><td colspan="4">मार्गदर्शक तत्त्वे / धोरण : NEP - 2020, NCF, SCF संबंधित मंडळाने प्रसिद्ध केलेली परिपत्रके.</td></tr>
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<tr><td>• कला, ज्ञान, आणि भविष्यवादी तंत्रज्ञानाला समाविष्ट करणारे वार्षिक अभ्यासक्रम आणि अध्यापन नियोजन.</td><td>• निवडक शिक्षकांसाठी कला, ज्ञान आणि भविष्यवादी तंत्रज्ञानासाठी नमुना शिक्षक प्रशिक्षण मॉड्यूल.</td><td>• कला, ज्ञान, आणि भविष्यातील तंत्रज्ञानाबाबत कार्यशाळा/चर्चासत्रे, नमुना पाठ नियोजन</td><td>• एकविसाव्या शतकातील कौशल्ये संपादित करण्यासाठी पाठ नियोजनात अध्ययनाच्या बहुविध पद्धती. उदाहरणार्थ –</td></tr>
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Objectives

The **AI's School Program** aims to achieve the following goals:

- **Introduce AI, IoT, Robotics, Coding and Computer education** to students from Grades 1–10, tailored to age-appropriate learning levels.
- Develop **critical thinking, creativity, problem-solving, and teamwork** through project-based learning experiences.
- Foster **digital literacy and technological competence** to prepare students for future careers.
- Enable students to **participate in national and international competitions**, showcasing their talents on prestigious platforms.
- Our trained **teachers** effectively deliver and sustain the program.

Key Additions

- Real-world problem-solving through capstone projects.
- Exposure to AI tools like ChatGPT, Perplexity, and Gemini.
- Robotics kits, IoT tools, and 3D printing labs.
- Teamwork & leadership skills through group projects.
- Internship & mentorship opportunities for advanced students.

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Why with Us vs. Other Providers

Feature/Criteria	Shatrunjay Robotics	Other Providers
Curriculum Coverage	Fully structured for Grades 1 to 10	Usually Grades 6+ only
Syllabus Alignment	NEP-ready, grade-wise integration across subjects	Generic or disconnected modules
AI Tools (ChatGPT, Gemini, Perplexity)	Practical AI education from Grade 4–10	Rarely introduced or theory-based only
IoT Projects	From Grade 1 onwards with real-world models	Not usually included
Robotics	Custom kits, hands-on from Grade 4–10	Focused mainly on higher grades
Scratch Programming	Scratch Jr (1–4), Scratch 3 (5–9)	Usually Scratch 3 for 6+ only
3D Printing	For Grade 8–10 with design challenges	Optional, if at all
AR/VR Education	AR (Grades 1–4), VR (Grades 5–10)	Rare or not included
Programming Languages	Age-appropriate exposure from early grades	Usually offered from middle/high school only
LMS Platform	Proprietary LMS for students and teachers	Absent or uses basic Google tools
Teacher Training & Resources	Dedicated training with certification	Limited or once-a-year workshops
Lab Setup & Equipment	Complete infrastructure with installation & maintenance	Setup responsibility on schools
Competitions Exposure	National & International levels supported	Often not included or self-driven
Advisory Expertise	Guided by seasoned experts in AI, Robotics & STEM	Limited advisory, mostly founder-led
Support & Maintenance	End-to-end tech + curriculum support	Limited post-installation help

Present Scenario

The world is rapidly transitioning into a technology-driven era, where advancements in robotics, artificial intelligence (AI), and the Internet of Things (IoT) are reshaping industries and everyday life. The global demand for skilled professionals in these fields has skyrocketed, with AI and robotics projected to lead the next wave of innovation.

Why ARIVAC education is Crucial Today

(ARIVAC- AI, Robotics, IoT, VR, AR, Coding)

❖ Rising Importance of AI and Robotics:

According to reports, the AI market is expected to grow from $241 billion in 2023 to $740 billion by 2030. Robotics and automation are driving efficiency and innovation across industries like manufacturing, healthcare, and logistics.

❖ Changing Job Market:

The World Economic Forum predicts that by 2027, 69 million jobs will be created due to AI, with 75% of companies worldwide adopting AI technology. Jobs in data science, AI, robotics, and IoT are among the most sought-after careers today.

❖ Need for Future-Ready Skills:

With technology evolving at a rapid pace, students must develop skills in programming, robotics, AI, and emerging technologies to stay competitive. Education systems are moving beyond traditional methods, emphasizing hands-on, project-based learning.

❖ Global STEM Movement:

Governments and organizations worldwide are investing heavily in ARIVAC education to nurture the next generation of innovators and problem-solvers. India is focusing on AI and robotics education to prepare its youth for Industry 4.0 and global competition.

Role of AI's in the Present Scenario

AI's School Program bridges the gap between theoretical knowledge and practical application by providing students with access to cutting-edge technologies. Through our tailored ARIVAC programs, students develop critical thinking, problem-solving, and technological skills that prepare them for success in a rapidly changing world.

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Key Attractions

- Internet of Things (IoT)

IoT is about connecting everyday objects—like lights, fans, or even toys—to the internet, allowing them to collect and share data. In our program, students learn how to build simple smart devices and understand how technology can make life easier and smarter.

- **Artificial Intelligence (AI)**

AI teaches machines how to think, learn, and make decisions—just like humans! Students explore AI tools like ChatGPT, Perplexity, and Gemini to understand how AI can write, create, and solve problems. It sparks curiosity and builds 21st-century problem-solving skills.

- Robotics

Robotics introduces students to building and programming real robots using motors, sensors, and controllers. Through hands-on kits and activities, they learn engineering concepts, teamwork, and creativity—turning imagination into working machines.

- Coding / Programming

Coding is the language of computers. Students learn block-based (Scratch Jr, Scratch 3) and text-based programming in a fun, interactive way. It helps improve logical thinking, creativity, and problem-solving—all key for future tech leaders.

- Basic Computer Skills

A strong foundation in computer basics—typing, file management, internet safety, and using educational software—helps students become confident digital citizens and prepares them for all future learning.

- **Advanced Computer Skills**

A solid understanding of **C** and **C++** equips students with the tools to develop high-performance software, optimize memory usage, and work with complex data structures. Mastering these languages prepares students for system programming, game development, and other advanced computing fields.

Program Structure

The program is structured to progressively build students' skills through practical applications, hands-on learning, and age-appropriate projects.

Grade	Key Focus Areas
Grades 1-3	Basic AI, Visual Programming (Scratch Jr), Simple Robotics, IoT Concept
Grades 4-7	Intermediate Robotics, AI ethics, Home Automation, AR/VR Basics
Grades 8-10	Advanced AI (C/C++), Robotics Prototyping, 3D Printing, API Integration

Duration:

- Year-long program with weekly one sessions, monthly workshops, and quarterly assessments without disturbing their academics.
- Capstone projects and exhibitions at the end of each academic year.

Key Components:

- Interactive classroom sessions with certified instructors.
- Hands-on workshops, competitions, and project showcase.
- Access to **Shatrunjay LMS** for digital learning and progress tracking.
- Regular teacher training and support to ensure effective delivery.

Curriculum Structure

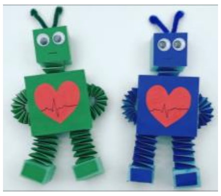
Grade 1: Foundations of Technology

Theory:

Understanding the basics of computers, how to use a keyboard and mouse, and exploring digital tools for creative expression.

Practical & Projects:

Recognizing computer components, engaging in digital drawing, creating projects with Scratch Jr., building a simple IoT circuit, and exploring augmented reality.



Grade 2: Exploring Technology & Measurement

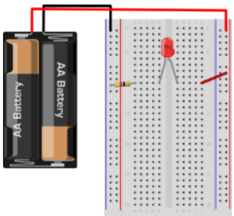
Theory:

An introduction to robotics, concepts of measurement, and how to interpret data.

Practical & Projects:

Measuring various objects, designing a robot, working on Scratch Jr. projects, utilizing an IoT moisture sensor, and participating in augmented reality activities.





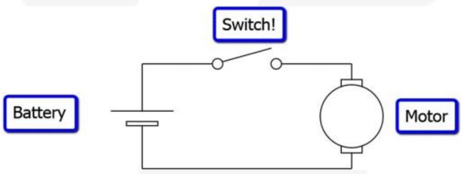

Grade 3: Robotics & Electronics

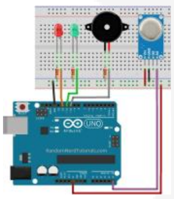
Theory:

Learning about sensors, actuators, circuits, and their applications in real-world robotics.

Practical & Projects:

Creating light circuits, building a robot from recycled materials, developing projects with Scratch Jr., using an IoT light sensor, and exploring augmented reality flashcards.






Grade 4: Forces, Energy & Power

Theory:

Understanding forces, different types of energy, batteries, and how power is stored.

Practical & Projects:

Creating wind-powered toys, designing windmills, working on Scratch Jr. projects, developing an IoT temperature-sensitive fan, and conducting VR experiments.



Grade 5: Smart & Sustainable Solutions

Theory:

Exploring sensors, automation, and technology aimed at sustainability.

Practical & Projects:

Building a smart trash can, investigating recycling technologies, creating projects in Scratch 3, developing an IoT smart home system, and exploring sustainability through VR.



Grade 6: Robotics & IoT

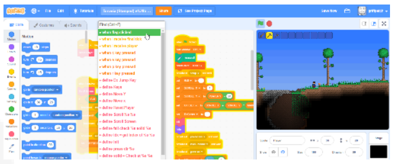
Theory:

Comparing humans and robots, discussing ethical considerations in robotics, and learning about smart agriculture.

Practical & Projects:

Designing an IoT irrigation system, coding for automation, creating projects in Scratch 3, building a robotic arm, and experimenting with a VR greenhouse.





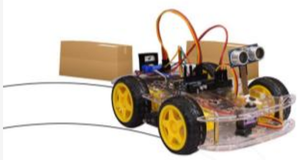
Grade 7: Advanced Robotics & VR

Theory:

Studying AI in robotics, understanding robotic sensors, and exploring VR applications.

Practical & Projects:

Building and programming robots, using VR tools, creating simulations in Scratch 3, working on warehouse robotics, and applying VR to real-world processes.


Grade 8: Drones, Renewable Energy & 3D Printing

Theory:

Understanding drone components, aerodynamics, renewable energy sources, and the basics of 3D printing.

Practical & Projects:

Hands-on experience with basic drone assembly, creating solar-powered robotics, and using 3D printing to make robotic tools.



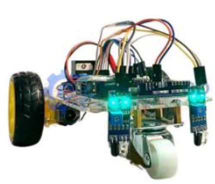
Grade 9: Advanced Drones, Programming & IoT

Theory:

Exploring autonomous drones, learning Python programming, and the role of IoT in robotics.

Practical & Projects:

Working with GPS-controlled drones, developing IoT-connected robots, and designing 3D-printed robotic parts.



Grade 10: AI-Driven Robotics & Future Tech

Theory:

Investigating the use of AI in drones, robotics, space exploration, and potential future careers in these fields.

Practical & Projects:

Building AI surveillance drones, creating an IoT smart home system, and developing 3D-printed robotic prototypes.



Note:

The curriculum is designed and developed by industry experts and is regularly updated.

Infrastructure and Lab Setup

To ensure hands-on learning, we propose setting up **state-of-the-art Robotics and STEM Labs** in schools. These labs will include:

- Modular workstations with collaborative spaces.
- **Robotics kits**, IoT devices, and programmable hardware.
- **AR/VR tools** for immersive learning experiences.
- **3D printers** for prototyping and design activities.
- High-speed internet connectivity and audiovisual equipment.
- Safety equipment and structured storage for devices and kits.

Teacher Support:

- Comprehensive **training programs** to build teacher expertise in **AI, robotics, and IoT**.
- **On-site and virtual support** for troubleshooting and curriculum implementation.

Shatrunjay Robotics & AI Lab

Scope of Program

The AI's School Program is set to transform education by incorporating cutting-edge technologies such as robotics, AI, IoT, and AR/VR into the classroom environment. Our all-encompassing strategy is designed to help students, teachers, and schools excel in ARIVAC education.

For Students

1. Hands-On STEM Learning: Engage in practical training using robotics kits, IoT tools, 3D printers, and AR/VR devices to inspire innovation and creativity.

2. AI and Coding Skills: Learn to use tools like ChatGPT, Perplexity, Gemini, Scratch Jr, Scratch 3, and Python programming to prepare for careers in technology.

3. Global Competitiveness: Take part in national and international competitions to showcase your skills on a global stage.

4. Real-World Problem Solving: Work on capstone projects that tackle real-world issues, enhancing critical thinking and teamwork skills.

5. Career Preparation: Obtain certifications and build portfolios that will strengthen your college applications and career opportunities in AI, robotics, and emerging technologies.

For Schools

1. State-of-the-Art Robotics Lab Setup: Receive comprehensive support in establishing robotics and STEM labs, including planning infrastructure, providing robotics kits, IoT tools, and AR/VR systems.

2. Customizable Curriculum: Access tailored STEM programs that align with the school's educational objectives and curriculum standards (CBSE, ICSE, State Boards).

3. Teacher Empowerment: Participate in professional development workshops and obtain certifications to effectively implement STEM and AI programs.

4. Learning Management System (LMS): Benefit from the seamless integration of an LMS featuring interactive content, progress tracking, and AI-driven recommendations to improve learning outcomes.

5. Recognition and Collaboration: Collaborate with esteemed organizations for certifications, partnerships, and the promotion of school achievements.

6. Student Development Programs: Utilize pre-knowledge assessments and personalized learning plans to enhance student engagement and outcomes.

Value Added Services

For Students

1. National and International Competitions: Opportunities to engage in STEM, robotics, and AI competitions, gaining valuable experience and recognition on a global scale.

2. Certifications: Industry-recognized certifications that strengthen academic profiles and enhance future career prospects.

3. Capstone Projects: Real-world problem-solving initiatives that offer hands-on experience and foster innovation.

4. Exclusive Workshops: Specialized workshops focused on AI, robotics, AR/VR, and 3D printing to expand technical knowledge.

5. Access to LMS (Learning Management System): Interactive modules, progress tracking, and personalized learning suggestions powered by AI.

For Teachers

1. Professional Development Programs: Free training workshops on AI (e.g., ChatGPT, generative AI), robotics, and IoT. Hands-on sessions designed to effectively incorporate STEM and technology into classroom settings.

2. Certification Programs: Recognized certifications for educators to enhance their professional qualifications.

3. Exclusive Resources: Access to a comprehensive library of teaching materials, lesson plans, and interactive tools through the LMS.

4. Ongoing Support: Dedicated technical assistance and guidance from AI's School Program experts.

For School

1. Robotics Lab Setup: Comprehensive support in creating cutting-edge robotics and STEM labs, including necessary kits, tools, and infrastructure planning.

2. Customizable Programs: Personalized STEM, robotics, and AI curricula tailored to the school's specific needs and aligned with education board standards.

3. Technology Integration: Assistance with incorporating IoT, AR/VR, AI, and 3D printing into the school's educational framework.

4. STEM and Robotics Surveys: Initial assessments for students and teachers to evaluate learning levels and adapt programs accordingly.

5. Recognition and Collaboration: Partnerships with renowned STEM organizations for certification and project acknowledgment.

Promotion of school accomplishments through media and social channels.

Students will participate in national and international robotics competitions such as the World Robot Olympiad (WRO), FIRST LEGO League (FLL), RoboCup Junior, IIT Bombay Techfest Robotics Competitions, and Smart India Hackathon (Robotics/AI category), along with many other relevant competitions during the academic year.

Certification

Eduon Tech Sciences LLP

SSHATRUNJAY ROBOTICS

Govt. Reg. No.: 1184

Certificate

This is to certify that

Rudra Huddar

Standard : 1st, from Goodwill English School, Pune.

has successfully completed his / her basic level academic course of Robotics & AI with grade A in the year 2025-26.

Associated with

Dr. Yogesh Mainkar
Director

Mr. Bhavin Paleja
CTO

Date: 30 / 04 / 2025

"As per the NEP 2020 guidelines, soft-copy certificates will be issued to all students every year, which will contribute to enhancing their academic points and overall ranking."

SHATRUNJAY ROBOTICS
making your dreams come true...

Training Methodology

At **Shatrunjay Robotics**, our teaching model is thoughtfully designed to ensure hands-on learning, consistent mentoring, and scalable execution across multiple schools. Here's how we train **students** in **schools** with quality and care:

🕒 Weekly Class Schedule

- 1 or 2 Lectures per Week per class (as per the School Timetable).
- Each Period is 1 hour long, min. 4 sessions per standard per class in a month.
- Combination of theory + practical ensures deep understanding.

🔧 Student-Centric Practice Model

- Every student receives access to individual kits.
- Kits include Robotics components, IoT devices, Programming tools, and AR/VR gear.
- Practical implementation is emphasized from Day 1.

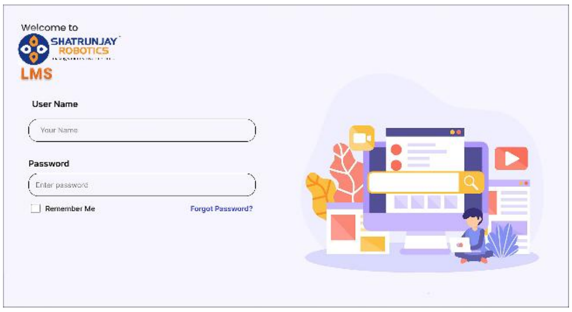
🧑‍🏫 Dedicated Teacher

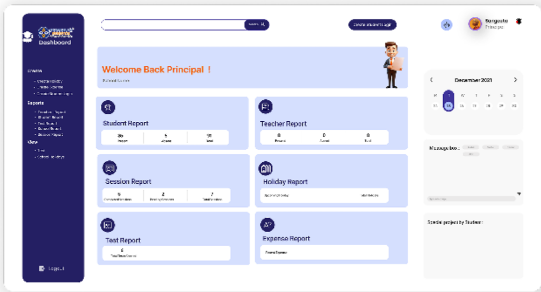
- Full Time a trained and certified teachers deployed.
- These instructors are specially trained in AI, Robotics, Coding, IoT, Basic Computer with Advance Computer Language (as C & C++) and ARIVAC education.
- Teachers are regularly upskilled through Shatrunjay LMS and internal assessments.

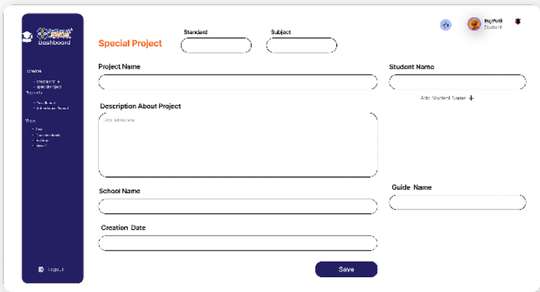
📈 Tracking & Reporting

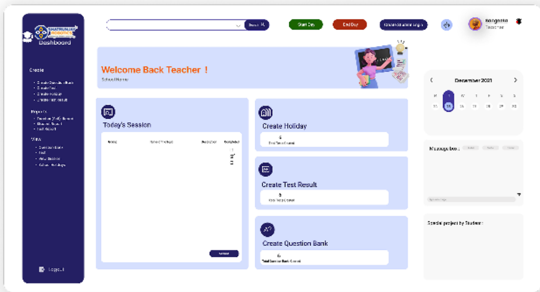
- Learning outcomes are tracked through our Learning Management System (LMS).
- Progress reports, attendance logs, and skill dashboards available for each student and school.

LMS (Learner Management System)









Course Management

- Structured learning paths by grade level
- Subject-wise content (Robotics, AI, IoT, Coding, Basic Computer)
- Multimedia support (videos, simulations, animations, PDFs)
- Quiz & assignment integration

Teacher Dashboard

- Create & manage lesson plans
- Monitor student progress
- Auto-grade quizzes & assignments
- Provide feedback and upload resources

Student Dashboard

- Progress tracker
- Test Reports
- Raise queries to teachers via chat

Admin Panel

- Track school-wise performance
- Manage teachers and class schedules
- Attendance & usage analytics
- Manage kits and expenses

Mobile & Web Compatible

- Fully responsive across devices
- Offline access to saved lessons
- Hindi, Marathi & English language support

Doubt-Solving & Communication

- In-app chat with mentors

Student's Benefits

At **Shatrunjay Robotics**, our mission is to empower students with real-world tech skills from an early age. Every learner enrolled in our program gains a wide range of **academic, technical, and future-ready** advantages:

Hands-on Learning

- Students work with real robotics kits, IoT devices, VR headsets, and more.
- Every concept is taught with practical implementation to enhance understanding.

Future-Ready Skills

- Exposure to AI tools like ChatGPT, Gemini & Perplexity from a young age.
- Knowledge in robotics, AR/VR, 3D printing, and coding prepares them for careers of tomorrow.

Logical Thinking & Problem Solving

- Coding and robotics improve analytical thinking, pattern recognition, and innovation.
- Students learn how to approach and solve real-life problems.

Participation in Competitions

- Opportunity to participate in national and international robotics competitions.
- Helps build confidence, teamwork, and presentation skills.

Digital Confidence

- Learn how to use computers, explore new tools, and navigate the internet safely and responsibly.
- Encourages curiosity in technology, science, and engineering.

Personalized Learning Support

- Individual attention through LMS integration, project tracking, and feedback.
- Students can learn at their own pace while keeping up with school curriculum.

Future Scope

The AI's School Program is crafted to equip students for emerging careers in innovative fields, providing them with the essential skills to thrive in a fast-changing world. Here's how our programs pave the way for their future:

1. Thriving in AI and Automation: Students receive practical experience with AI tools such as ChatGPT, Perplexity, and Gemini, setting them up for careers in artificial intelligence, machine learning, and data science. By mastering Python programming and AI-driven solutions, they are well-prepared for in-demand tech positions.

2. Advancing in Robotics and IoT: With exposure to robotics and IoT systems, students gain a solid understanding of automation, smart devices, and robotics engineering. Career opportunities include robotics design, IoT development, and industrial automation.

3. Exploring Immersive Technologies: Skills in AR/VR open pathways to industries like gaming, education, healthcare, and virtual simulations. Students will be ready to create virtual environments, AR applications, and VR training modules.

4. Excelling in 3D Printing and Prototyping: Expertise in 3D printing allows students to innovate in product design, prototyping, and manufacturing. Career prospects span various fields, including engineering, architecture, and biomedical sciences.

5. Global Competitiveness: Engagement in national and international competitions boosts confidence, problem-solving abilities, and global awareness. Students learn to collaborate and compete on esteemed platforms, earning recognition for their innovative ideas.

6. Building Leadership and Teamwork: Through collaborative projects and capstone challenges, students cultivate vital leadership, teamwork, and communication skills. These attributes prepare them for success in diverse and dynamic work settings.

7. Future-Ready for Industry 4.0: The combination of robotics, AI, IoT, and AR/VR ensures that students are ready to excel in the industry 4.0 landscape. Graduates of Shatrunjay Group will possess the knowledge to innovate and lead in technology-driven sectors worldwide.

Financial Details

To make ARIVAC education accessible, we offer three flexible financial models:

Program	Services	Required School Support	Financials (Per Student/Per Year)
Adaptive Program	Material, Courseware	Classroom, Power Supply, Furniture, Teacher Salary	Rs. 600 – Rs. 800
Collaborative Program	Material, Courseware, Teacher Salary	Classroom, Power Supply, Furniture	Rs. 1000 – Rs. 1200
Ultimate Program	Material, Furniture, Courseware, Interactive Panel, 3D Printer, Drone, Teacher Salary	Classroom, Power Supply	Rs. 1500 – Rs. 1800

The above financial are open to discuss and finalized.

Note: We will also share a revenue for using school premises according to student strength and fees as per mutually decided.

Contact Us

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At AI's Program, we are committed to shaping the future of ARIVAC education. Our practical, hands-on approach ensures students

gain real-world skills, global exposure, and a competitive edge.

Join us in revolutionising education for the next generation of innovators.